

AVW's Glazing Options

U Factor / CR Options >>	1	1	2	2	3	3	4	4	5	5	6
SHGC/VT Options >>	1	1	4	4	4	4	7	7	11	11	14
Glass Coating >>	Clear,	Clear,	Clear,	Clear,	Clear,	Clear,	Cardinal E172	Cardinal E172	Cardinal E172	Cardinal E172	AFG TI-AC
Gas >>	-	-	-	-	Argon	Argon	Argon,	Argon,	Argon,	Argon,	Argon,
Glass Thickness >>	SSB or DSB	SSB or DSB	5mm	5mm	5mm	5mm	SSB or DSB	SSB or DSB	5mm	5mm	SSB or DSB
Low-E Surface >>											
Grid Options >>	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)

Description / Type

Windgate

Double Hung (Unequal Lite)	TruSeal	U-Factor	0.47	0.48	0.49	0.51	0.46	0.48	0.31	0.31	0.31	0.34	0.30
		CR	44	44	42	42	43	43	57	57	54	54	58
		SHGC	0.62	0.55	0.59	0.53	0.59	0.53	0.32	0.29	0.32	0.29	0.31
		VT	0.64	0.57	0.63	0.56	0.63	0.56	0.56	0.50	0.55	0.49	0.48
Super Spacer		U-Factor	0.47	0.47	0.48	0.50	-	-	-	-	-	-	-
		CR	44	44	42	42	-	-	-	-	-	-	-
		SHGC	0.62	0.55	0.59	0.53	-	-	-	-	-	-	-
		VT	0.64	0.57	0.63	0.56	-	-	-	-	-	-	-

Windgate/Belmont

Single Hung	TruSeal	U-Factor	0.48	0.48	0.49	0.51	0.46	0.48	0.31	0.31	0.31	0.34	0.30
		CR	44	44	42	42	44	44	58	58	55	54	58
		SHGC	0.62	0.56	0.60	0.54	0.60	0.54	0.33	0.30	0.32	0.29	0.32
		VT	0.65	0.58	0.63	0.57	0.63	0.57	0.57	0.51	0.56	0.50	0.49
Super Spacer		U-Factor	0.47	0.47	0.49	0.50	-	-	-	-	-	-	-
		CR	44	44	42	42	-	-	-	-	-	-	-
		SHGC	0.62	0.56	0.60	0.54	-	-	-	-	-	-	-
		VT	0.65	0.58	0.63	0.57	-	-	-	-	-	-	-
Single Slider	TruSeal	U-Factor	0.47	0.48	0.49	0.50	0.46	0.48	0.30	0.31	0.31	0.34	0.30
		CR	44	44	42	42	44	44	59	59	56	56	59
		SHGC	0.62	0.56	0.60	0.54	0.60	0.54	0.33	0.29	0.32	0.29	0.32
		VT	0.64	0.57	0.63	0.56	0.63	0.56	0.56	0.50	0.55	0.49	0.48
Super Spacer		U-Factor	0.47	0.47	0.48	0.50	-	-	-	-	-	-	-
		CR	45	45	43	43	-	-	-	-	-	-	-
		SHGC	0.62	0.56	0.60	0.54	-	-	-	-	-	-	-
		VT	0.64	0.57	0.63	0.56	-	-	-	-	-	-	-
Two-Lite Slider	TruSeal	U-Factor	0.47	0.47	0.48	0.50	0.46	0.47	0.30	0.31	0.31	0.34	0.30
		CR	44	44	42	42	43	43	58	58	55	55	58
		SHGC	0.61	0.55	0.59	0.53	0.59	0.53	0.32	0.29	0.32	0.29	0.31
		VT	0.63	0.56	0.62	0.55	0.62	0.55	0.56	0.50	0.55	0.49	0.48
Super Spacer		U-Factor	0.46	0.47	0.48	0.50	-	-	-	-	-	-	-
		CR	44	44	42	42	-	-	-	-	-	-	-

AVW's Glazing Options

U Factor / CR Options >>	1	1	2	2	3	3	4	4	5	5	6
SHGC/VT Options >>	1	1	4	4	4	4	7	7	11	11	14
Glass Coating >>	Clear,	Clear,	Clear,	Clear,	Clear,	Clear,	Cardinal E172	Cardinal E172	Cardinal E172	Cardinal E172	AFG TI-AC
Gas >>	-	-	-	-	Argon	Argon	Argon,	Argon,	Argon,	Argon,	Argon,
Glass Thickness >>	SSB or DSB	SSB or DSB	5mm	5mm	5mm	5mm	SSB or DSB	SSB or DSB	5mm	5mm	SSB or DSB
Low-E Surface >>											
Grid Options >>	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)

Description / Type

SHGC	0.61	0.55	0.59	0.53	-	-	-	-	-	-	-
VT	0.63	0.56	0.62	0.55	-	-	-	-	-	-	-

Belmont

Double Hung (Equal Lite)	TruSeal	U-Factor	0.48	0.48	0.49	0.51	0.47	0.48	0.31	0.32	0.32	0.35	0.31
		CR	43	43	42	42	43	43	57	57	54	54	57
		SHGC	0.60	0.53	0.48	0.43	0.44	0.40	0.58	0.52	0.43	0.38	0.39
		VT	0.62	0.55	0.46	0.41	0.41	0.37	0.61	0.54	0.40	0.35	0.34
Super Spacer		U-Factor	0.47	0.48	0.49	0.50	-	-	-	-	-	-	-
		CR	44	44	42	42	-	-	-	-	-	-	-
		SHGC	0.60	0.53	0.48	0.43	-	-	-	-	-	-	-
		VT	0.62	0.55	0.46	0.41	-	-	-	-	-	-	-

Hawthorne

Double Hung (Unequal Lite)	TruSeal	U-Factor	0.47	0.48	0.49	0.51	0.46	0.48	0.31	0.31	0.31	0.34	0.30
		CR	43	43	42	42	43	43	57	57	54	54	57
		SHGC	0.61	0.55	0.59	0.53	0.59	0.53	0.32	0.29	0.32	0.29	0.31
		VT	0.64	0.57	0.62	0.56	0.62	0.56	0.56	0.50	0.55	0.49	0.48
Super Spacer		U-Factor	0.47	0.47	0.48	0.50	-	-	-	-	-	-	-
		CR	44	44	42	42	-	-	-	-	-	-	-
		SHGC	0.61	0.55	0.59	0.53	-	-	-	-	-	-	-
		VT	0.64	0.57	0.62	0.56	-	-	-	-	-	-	-
Double Hung (Equal Lite)	TruSeal	U-Factor	0.48	0.48	0.49	0.51	0.47	0.48	0.31	0.32	0.32	0.35	0.31
		CR	43	43	41	41	43	43	57	57	54	54	57
		SHGC	0.59	0.53	0.57	0.51	0.57	0.51	0.31	0.28	0.31	0.28	0.30
		VT	0.62	0.55	0.60	0.54	0.60	0.54	0.54	0.48	0.53	0.47	0.46
Super Spacer		U-Factor	0.47	0.47	0.49	0.50	-	-	-	-	-	-	-
		CR	44	44	42	42	-	-	-	-	-	-	-
		SHGC	0.59	0.53	0.57	0.51	-	-	-	-	-	-	-
		VT	0.62	0.55	0.60	0.54	-	-	-	-	-	-	-
Two-Lite Slider	TruSeal	U-Factor	0.47	0.47	0.49	0.50	0.46	0.48	0.30	0.31	0.31	0.34	0.30
		CR	43	43	42	42	43	43	58	58	54	54	58
		SHGC	0.61	0.55	0.59	0.53	0.59	0.53	0.32	0.29	0.32	0.29	0.31

AVW's Glazing Options

	1	1	2	2	3	3	4	4	5	5	6
U Factor / CR Options >>	1	1	2	2	3	3	4	4	5	5	6
SHGC/VT Options >>	1	1	4	4	4	4	7	7	11	11	14
Glass Coating >>	Clear,	Clear,	Clear,	Clear,	Clear,	Clear,	Cardinal E172	Cardinal E172	Cardinal E172	Cardinal E172	AFG TI-AC
Gas >>	-	-	-	-	Argon	Argon	Argon,	Argon,	Argon,	Argon,	Argon,
Glass Thickness >>	SSB or DSB	SSB or DSB	5mm	5mm	5mm	5mm	SSB or DSB	SSB or DSB	5mm	5mm	SSB or DSB
Low-E Surface >>											
Grid Options >>	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)

Description / Type

	VT	0.63	0.56	0.62	0.55	0.62	0.55	0.56	0.50	0.55	0.49	0.48
Super Spacer	U-Factor	0.47	0.47	0.48	0.50	-	-	-	-	-	-	-
	CR	44	44	42	42	-	-	-	-	-	-	-
	SHGC	0.61	0.55	0.59	0.53	-	-	-	-	-	-	-
	VT	0.63	0.56	0.62	0.55	-	-	-	-	-	-	-

AVW's Glazing Options

U Factor / CR Options >>	1	1	2	2	3	3	4	4	5	5	6
SHGC/VT Options >>	1	1	4	4	4	4	7	7	11	11	14
Glass Coating >>	Clear,	Clear,	Clear,	Clear,	Clear,	Clear,	Cardinal E172	Cardinal E172	Cardinal E172	Cardinal E172	AFG TI-AC
Gas >>	-	-	-	-	Argon	Argon	Argon,	Argon,	Argon,	Argon,	Argon,
Glass Thickness >>	SSB or DSB	SSB or DSB	5mm	5mm	5mm	5mm	SSB or DSB	SSB or DSB	5mm	5mm	SSB or DSB
Low-E Surface >>											
Grid Options >>	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)

Description / Type

Windgate/Belmont/Hawthorne

Casement	TruSeal	U-Factor	0.43	0.44	0.45	0.46	0.42	0.44	0.28	0.29	0.29	0.31	0.28
		CR	43	43	41	41	43	43	58	58	55	55	58
		SHGC	0.58	0.52	0.56	0.51	0.56	0.51	0.30	0.28	0.30	0.27	0.29
		VT	0.60	0.54	0.58	0.53	0.58	0.53	0.52	0.47	0.51	0.47	0.45
Super Spacer		U-Factor	0.43	0.43	0.44	0.46	-	-	-	-	-	-	-
		CR	43	43	41	41	-	-	-	-	-	-	-
		SHGC	0.58	0.52	0.56	0.51	-	-	-	-	-	-	-
		VT	0.60	0.54	0.58	0.53	-	-	-	-	-	-	-
Fixed Casement	TruSeal	U-Factor	0.45	0.45	0.46	0.48	0.44	0.45	0.27	0.28	0.28	0.31	0.27
		CR	42	42	40	40	42	42	57	57	53	53	57
		SHGC	0.65	0.58	0.63	0.56	0.63	0.56	0.34	0.31	0.34	0.30	0.33
		VT	0.67	0.60	0.66	0.59	0.66	0.59	0.59	0.53	0.58	0.52	0.51
Super Spacer		U-Factor	0.44	0.45	0.46	0.48	-	-	-	-	-	-	-
		CR	43	43	41	41	-	-	-	-	-	-	-
		SHGC	0.65	0.58	0.63	0.56	-	-	-	-	-	-	-
		VT	0.67	0.60	0.66	0.59	-	-	-	-	-	-	-
Awning	TruSeal	U-Factor	0.44	0.43	0.45	0.46	0.43	0.43	0.28	0.28	0.29	0.31	0.28
		CR	43	43	41	41	43	43	57	57	54	54	57
		SHGC	0.58	0.52	0.55	0.51	0.55	0.51	0.30	0.28	0.30	0.27	0.29
		VT	0.60	0.54	0.48	0.53	0.48	0.53	0.52	0.47	0.51	0.47	0.45
Super Spacer		U-Factor	0.43	0.43	0.45	0.46	-	-	-	-	-	-	-
		CR	43	43	41	41	-	-	-	-	-	-	-
		SHGC	0.58	0.52	0.55	0.51	-	-	-	-	-	-	-
		VT	0.60	0.54	0.48	0.53	-	-	-	-	-	-	-
Picture	TruSeal	U-Factor	0.47	0.47	0.48	0.50	0.45	0.47	0.29	0.30	0.30	0.33	0.29
		CR	45	45	43	43	45	45	60	60	57	57	60
		SHGC	0.64	0.58	0.62	0.56	0.62	0.56	0.34	0.31	0.33	0.30	0.33
		VT	0.67	0.60	0.66	0.59	0.66	0.59	0.59	0.53	0.58	0.52	0.50
Super Spacer		U-Factor	0.46	0.47	0.48	0.50	-	-	-	-	-	-	-
		CR	45	45	43	43	-	-	-	-	-	-	-
		SHGC	0.64	0.58	0.62	0.56	-	-	-	-	-	-	-
		VT	0.67	0.60	0.66	0.59	-	-	-	-	-	-	-

AVW's Glazing Options

U Factor / CR Options >>	1	1	2	2	3	3	4	4	5	5	6
SHGC/VT Options >>	1	1	4	4	4	4	7	7	11	11	14
Glass Coating >>	Clear,	Clear,	Clear,	Clear,	Clear,	Clear,	Cardinal E172	Cardinal E172	Cardinal E172	Cardinal E172	AFG TI-AC
Gas >>	-	-	-	-	Argon	Argon	Argon,	Argon,	Argon,	Argon,	Argon,
Glass Thickness >>	SSB or DSB	SSB or DSB	5mm	5mm	5mm	5mm	SSB or DSB	SSB or DSB	5mm	5mm	SSB or DSB
Low-E Surface >>											
Grid Options >>	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)

Description / Type

Patio Doors tested with DSB Only

Patio Door	TruSeal	U-Factor *	.49 / .49	.49 / .49	-	-	-	-	-	-	-	-	
		CR	-	-	-	-	-	-	-	-	-	-	
		SHGC *	.63 / .59	.57 / .53	-	-	-	-	-	-	-	-	-
		VT *	.66 / .65	.59 / .58	-	-	-	-	-	-	-	-	-
Super Spacer		U-Factor *	-	-	-	-	-	-	-	-	-	-	
		CR	-	-	-	-	-	-	-	-	-	-	
		SHGC *	-	-	-	-	-	-	-	-	-	-	
		VT *	-	-	-	-	-	-	-	-	-	-	

* Older report criteria for U-Factor, SHGC & VT: Res. (72" x80") / Non Res. (72" x 96") ; No CR

6 14	6 15	6 15	7 18	7 18	7 19	7 19	8 22	8 22	8 23	8 23	9 26	9 26	9 27
AFG TI-AC Argon, SSB or DSB ($<1''$ Grid)	AFG TI-AC Argon, SSB or DSB Southern (No Grids)	AFG TI-AC Argon, SSB or DSB Southern ($<1''$ Grid)	AFG TI-AC Argon, 5mm (No Grids)	AFG TI-AC Argon, 5mm ($<1''$ Grid)	AFG TI-AC Argon, 5mm Southern (No Grids)	AFG TI-AC Argon, 5mm Southern ($<1''$ Grid)	AFG TI-R - SSB or DSB (No Grids)	AFG TI-R - SSB or DSB ($<1''$ Grid)	AFG TI-R - SSB or DSB Southern (No Grids)	AFG TI-R - SSB or DSB Southern ($<1''$ Grid)	AFG TI-R - 5mm (No Grids)	AFG TI-R - 5mm ($<1''$ Grid)	AFG TI-R - 5mm Southern (No Grids)
0.31	0.30	0.31	0.31	0.34	0.31	0.34	0.34	0.35	0.34	0.35	0.36	0.39	0.36
58	58	58	54	54	54	54	54	54	54	54	51	51	51
0.28	0.37	0.33	0.30	0.27	0.35	0.32	0.37	0.34	0.41	0.37	0.36	0.32	0.40
0.43	0.48	0.43	0.46	0.41	0.46	0.41	0.55	0.49	0.55	0.49	0.54	0.48	0.54
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.31	0.30	0.31	0.31	0.34	0.31	0.34	0.34	0.35	0.34	0.35	0.36	0.39	0.36
58	58	58	55	55	55	55	55	54	55	54	51	51	51
0.29	0.37	0.34	0.31	0.28	0.36	0.32	0.38	0.34	0.42	0.38	0.36	0.33	0.41
0.43	0.49	0.43	0.47	0.42	0.47	0.42	0.56	0.50	0.56	0.50	0.55	0.49	0.55
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.31	0.30	0.31	0.31	0.34	0.31	0.34	0.33	0.34	0.33	0.34	0.35	0.38	0.35
59	59	59	56	56	56	56	56	56	56	56	52	52	52
0.28	0.37	0.33	0.30	0.27	0.36	0.32	0.38	0.34	0.41	0.37	0.36	0.33	0.40
0.43	0.48	0.43	0.46	0.41	0.46	0.41	0.56	0.50	0.46	0.50	0.54	0.48	0.54
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.31	0.30	0.31	0.31	0.33	0.31	0.33	0.33	0.34	0.33	0.34	0.35	0.38	0.35
58	58	58	55	55	55	55	55	55	55	55	51	51	51
0.28	0.37	0.33	0.30	0.27	0.35	0.32	0.37	0.33	0.41	0.37	0.36	0.32	0.40
0.42	0.48	0.42	0.46	0.41	0.46	0.41	0.55	0.49	0.55	0.49	0.53	0.48	0.53
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

6 14	6 15	6 15	7 18	7 18	7 19	7 19	8 22	8 22	8 23	8 23	9 26	9 26	9 27
AFG TI-AC Argon, SSB or DSB (1" Grid)	AFG TI-AC Argon, SSB or DSB Southern (No Grids)	AFG TI-AC Argon, SSB or DSB Southern (1" Grid)	AFG TI-AC Argon, 5mm (No Grids)	AFG TI-AC Argon, 5mm (1" Grid)	AFG TI-AC Argon, 5mm Southern (No Grids)	AFG TI-AC Argon, 5mm Southern (1" Grid)	AFG TI-R - SSB or DSB (No Grids)	AFG TI-R - SSB or DSB (1" Grid)	AFG TI-R - SSB or DSB Southern (No Grids)	AFG TI-R - SSB or DSB Southern (1" Grid)	AFG TI-R - 5mm (No Grids)	AFG TI-R - 5mm (1" Grid)	AFG TI-R - 5mm Southern (No Grids)
-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.32	0.31	0.32	0.32	0.35	0.32	0.35	0.34	0.35	0.34	0.35	0.36	0.39	0.36
57	57	57	54	54	54	54	54	54	54	54	51	50	51
0.35	0.39	0.35	0.31	0.28	0.34	0.33	0.36	0.33	0.36	0.33	0.35	0.31	0.35
0.30	0.34	0.30	0.54	0.48	0.45	0.40	0.54	0.48	0.54	0.48	0.52	0.46	0.52
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.31	0.30	0.31	0.31	0.34	0.31	0.34	0.34	0.35	0.34	0.35	0.36	0.39	0.36
57	57	57	54	54	54	54	54	54	54	54	51	51	51
0.28	0.37	0.33	0.30	0.27	0.35	0.32	0.37	0.33	0.41	0.37	0.36	0.32	0.40
0.43	0.48	0.43	0.46	0.41	0.46	0.41	0.55	0.49	0.55	0.49	0.54	0.48	0.54
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.32	0.31	0.32	0.32	0.35	0.32	0.35	0.34	0.35	0.34	0.35	0.36	0.39	0.36
57	57	57	54	54	54	54	54	54	54	54	50	50	50
0.27	0.36	0.32	0.29	0.26	0.34	0.31	0.36	0.32	0.40	0.36	0.35	0.31	0.39
0.41	0.46	0.41	0.44	0.40	0.44	0.40	0.53	0.47	0.53	0.47	0.52	0.46	0.52
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.31	0.30	0.31	0.31	0.34	0.31	0.34	0.34	0.34	0.34	0.34	0.36	0.38	0.36
58	58	58	55	55	55	55	54	54	54	54	51	51	51
0.28	0.37	0.33	0.30	0.27	0.35	0.32	0.37	0.33	0.41	0.37	0.36	0.32	0.40

6 14	6 15	6 15	7 18	7 18	7 19	7 19	8 22	8 22	8 23	8 23	9 26	9 26	9 27
AFG TI-AC Argon, SSB or DSB (<1" Grid)	AFG TI-AC Argon, SSB or DSB Southern (No Grids)	AFG TI-AC Argon, SSB or DSB Southern (<1" Grid)	AFG TI-AC Argon, 5mm (No Grids)	AFG TI-AC Argon, 5mm (<1" Grid)	AFG TI-AC Argon, 5mm Southern (No Grids)	AFG TI-AC Argon, 5mm Southern (<1" Grid)	AFG TI-R - SSB or DSB (No Grids)	AFG TI-R - SSB or DSB (<1" Grid)	AFG TI-R - SSB or DSB Southern (No Grids)	AFG TI-R - SSB or DSB Southern (<1" Grid)	AFG TI-R - 5mm (No Grids)	AFG TI-R - 5mm (<1" Grid)	AFG TI-R - 5mm Southern (No Grids)
0.42	0.48	0.42	0.46	0.41	0.46	0.41	0.55	0.49	0.55	0.49	0.53	0.48	0.53
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

6 14	6 15	6 15	7 18	7 18	7 19	7 19	8 22	8 22	8 23	8 23	9 26	9 26	9 27
AFG TI-AC Argon, SSB or DSB (<1" Grid)	AFG TI-AC Argon, SSB or DSB Southern (No Grids)	AFG TI-AC Argon, SSB or DSB Southern (<1" Grid)	AFG TI-AC Argon, 5mm (No Grids)	AFG TI-AC Argon, 5mm (<1" Grid)	AFG TI-AC Argon, 5mm Southern (No Grids)	AFG TI-AC Argon, 5mm Southern (<1" Grid)	AFG TI-R - SSB or DSB (No Grids)	AFG TI-R - SSB or DSB (<1" Grid)	AFG TI-R - SSB or DSB (No Grids)	AFG TI-R - SSB or DSB Southern (<1" Grid)	AFG TI-R - 5mm (No Grids)	AFG TI-R - 5mm (<1" Grid)	AFG TI-R - 5mm Southern (No Grids)
0.28 58 0.27 0.41	0.28 58 0.35 0.45	0.28 58 0.32 0.41	0.29 55 0.28 0.43	0.31 55 0.26 0.39	0.29 55 0.33 0.43	0.31 55 0.30 0.39	0.31 55 0.35 0.52	0.32 55 0.32 0.47	0.31 55 0.39 0.52	0.32 55 0.35 0.47	0.33 51 0.34 0.50	0.35 51 0.31 0.46	0.33 51 0.38 0.50
- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -
0.28 57 0.30 0.45	0.27 57 0.39 0.51	0.28 57 0.35 0.45	0.28 54 0.32 0.49	0.31 54 0.29 0.43	0.28 54 0.37 0.49	0.31 54 0.34 0.43	0.31 54 0.39 0.58	0.32 54 0.36 0.52	0.31 54 0.43 0.58	0.32 54 0.39 0.52	0.33 50 0.38 0.57	0.36 50 0.34 0.51	0.33 50 0.42 0.57
- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -
0.28 57 0.27 0.41	0.28 57 0.35 0.45	0.28 57 0.32 0.41	0.28 54 0.28 0.43	0.30 54 0.26 0.39	0.28 54 0.33 0.43	0.30 54 0.30 0.39	0.31 54 0.35 0.52	0.31 54 0.32 0.47	0.31 54 0.39 0.52	0.31 54 0.35 0.47	0.33 50 0.34 0.50	0.35 50 0.31 0.46	0.33 50 0.38 0.50
- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -
0.30 60 0.30 0.45	0.29 60 0.39 0.50	0.30 60 0.35 0.45	0.29 57 0.32 0.48	0.32 57 0.29 0.43	0.29 57 0.37 0.48	0.32 57 0.34 0.43	0.32 57 0.39 0.58	0.33 57 0.35 0.52	0.32 57 0.43 0.58	0.33 57 0.39 0.52	0.34 53 0.38 0.56	0.37 53 0.34 0.50	0.34 53 0.42 0.56
- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -	- - - -

6 14	6 15	6 15	7 18	7 18	7 19	7 19	8 22	8 22	8 23	8 23	9 26	9 26	9 27
AFG TI-AC Argon, SSB or DSB ($<1''$ Grid)	AFG TI-AC Argon, SSB or DSB Southern (No Grids)	AFG TI-AC Argon, SSB or DSB Southern ($<1''$ Grid)	AFG TI-AC Argon, 5mm (No Grids)	AFG TI-AC Argon, 5mm ($<1''$ Grid)	AFG TI-AC Argon, 5mm (No Grids)	AFG TI-AC Argon, 5mm Southern ($<1''$ Grid)	AFG TI-R - SSB or DSB (No Grids)	AFG TI-R - SSB or DSB ($<1''$ Grid)	AFG TI-R - SSB or DSB Southern (No Grids)	AFG TI-R - SSB or DSB Southern ($<1''$ Grid)	AFG TI-R - 5mm (No Grids)	AFG TI-R - 5mm ($<1''$ Grid)	AFG TI-R - 5mm Southern (No Grids)

Patio Doors tested with DSB Only Patio Doors tested with DSB Only

-	-	-	-	-	-	-	.33 / .33	.33 / .33	.33 / .33	.33 / .33	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	.39 / .36	.36 / .33	.39 / .36	.36 / .33	-	-	-
-	-	-	-	-	-	-	.58 / .55	.52 / .49	.58 / .55	.52 / .49	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

9 27	10 22	10 22	10 23	10 23	11 26	11 26	11 27	11 27	12 30	12 30	12 31	12 31	13 34
AFG TI-R - 5mm Southern (<1" Grid)	AFG TI-R, Argon, SSB or DSB (No Grids)	AFG TI-R, Argon, SSB or DSB (<1" Grid)	AFG TI-R, Argon, SSB or DSB Southern (No Grids)	AFG TI-R, Argon, SSB or DSB Southern (<1" Grid)	AFG TI-R, Argon, 5mm (No Grids)	AFG TI-R, Argon, 5mm (<1" Grid)	AFG TI-R, Argon, 5mm Southern (No Grids)	AFG TI-R, Argon, 5mm Southern (<1" Grid)	Gua RLE 71/38 - SSB or DSB (No Grids)	Gua RLE 71/38 - SSB or DSB (<1" Grid)	Gua RLE 71/38 - SSB or DSB Southern (No Grids)	Gua RLE 71/38 - SSB or DSB Southern (<1" Grid)	Gua RLE 71/38 - 5mm (No Grids)
0.39	0.30	0.31	0.30	0.31	0.31	0.34	0.31	0.34	0.34	0.35	0.34	0.35	0.34
51	58	58	58	58	54	54	54	54	54	54	54	54	54
0.36	0.37	0.34	0.41	0.37	0.36	0.32	0.40	0.36	0.31	0.28	0.38	0.34	0.31
0.48	0.55	0.49	0.55	0.49	0.54	0.48	0.54	0.48	0.55	0.49	0.55	0.49	0.54
-	-	-	-	-	-	-	-	-	0.33	0.34	0.34	0.35	0.34
-	-	-	-	-	-	-	-	-	55	55	54	54	54
-	-	-	-	-	-	-	-	-	0.31	0.28	0.38	0.34	0.31
-	-	-	-	-	-	-	-	-	0.55	0.49	0.55	0.49	0.54
0.39	0.30	0.31	0.30	0.31	0.31	0.34	0.31	0.34	0.34	0.35	0.34	0.35	0.36
51	58	58	58	58	55	55	55	55	55	55	55	55	51
0.37	0.38	0.34	0.42	0.38	0.36	0.33	0.41	0.37	0.31	0.28	0.38	0.34	0.31
0.49	0.56	0.50	0.56	0.50	0.55	0.49	0.55	0.49	0.56	0.50	0.56	0.50	0.55
-	-	-	-	-	-	-	-	-	0.33	0.31	0.33	0.31	0.35
-	-	-	-	-	-	-	-	-	55	55	55	55	51
-	-	-	-	-	-	-	-	-	0.31	0.28	0.38	0.34	0.31
-	-	-	-	-	-	-	-	-	0.56	0.50	0.56	0.50	0.55
0.38	0.30	0.31	0.30	0.31	0.31	0.34	0.31	0.34	0.33	0.34	0.33	0.34	0.35
52	59	59	59	59	56	56	56	56	56	56	56	56	52
0.36	0.38	0.34	0.41	0.37	0.36	0.33	0.40	0.36	0.31	0.28	0.38	0.34	0.31
0.48	0.56	0.50	0.56	0.50	0.54	0.48	0.54	0.48	0.56	0.50	0.56	0.50	0.55
-	-	-	-	-	-	-	-	-	0.33	0.34	0.33	0.34	0.35
-	-	-	-	-	-	-	-	-	56	56	56	56	52
-	-	-	-	-	-	-	-	-	0.31	0.28	0.38	0.34	0.31
-	-	-	-	-	-	-	-	-	0.56	0.50	0.56	0.50	0.55
0.38	0.30	0.31	0.30	0.31	0.31	0.33	0.31	0.33	0.33	0.34	0.33	0.34	0.35
51	58	58	58	58	55	55	55	55	55	55	55	55	51
0.36	0.37	0.33	0.41	0.37	0.36	0.32	0.40	0.36	0.31	0.27	0.37	0.33	0.30
0.48	0.55	0.49	0.55	0.49	0.53	0.48	0.53	0.48	0.55	0.49	0.55	0.49	0.54
-	-	-	-	-	-	-	-	-	0.33	0.34	0.33	0.34	0.35
-	-	-	-	-	-	-	-	-	55	55	55	55	52

9 27	10 22	10 22	10 23	10 23	11 26	11 26	11 27	11 27	12 30	12 30	12 31	12 31	13 34
AFG TI-R - 5mm Southern (<1" Grid)	AFG TI-R, Argon, SSB or DSB (No Grids)	AFG TI-R, Argon, SSB or DSB (<1" Grid)	AFG TI-R, Argon, SSB or DSB Southern (No Grids)	AFG TI-R, Argon, SSB or DSB Southern (<1" Grid)	AFG TI-R, Argon, 5mm (No Grids)	AFG TI-R, Argon, 5mm (<1" Grid)	AFG TI-R, Argon, 5mm Southern (No Grids)	AFG TI-R, Argon, 5mm Southern (<1" Grid)	Gua RLE 71/38 - SSB or DSB (No Grids)	Gua RLE 71/38 - SSB or DSB (<1" Grid)	Gua RLE 71/38 - SSB or DSB Southern (No Grids)	Gua RLE 71/38 - SSB or DSB Southern (<1" Grid)	Gua RLE 71/38 - 5mm (No Grids)
-	-	-	-	-	-	-	-	-	0.31	0.27	0.37	0.33	0.30
-	-	-	-	-	-	-	-	-	0.55	0.49	0.55	0.49	0.54
0.39	0.31	0.32	0.31	0.32	0.32	0.35	0.32	0.35	0.34	0.35	0.34	0.35	0.36
50	57	57	57	57	54	54	54	54	54	54	54	54	51
0.31	0.36	0.33	0.40	0.36	0.35	0.31	0.39	0.35	0.30	0.27	0.36	0.33	0.30
0.46	0.54	0.48	0.54	0.48	0.52	0.46	0.52	0.46	0.54	0.48	0.54	0.48	0.53
-	-	-	-	-	-	-	-	-	0.34	0.35	0.34	0.35	0.36
-	-	-	-	-	-	-	-	-	55	54	54	54	51
-	-	-	-	-	-	-	-	-	0.30	0.27	0.36	0.33	0.30
-	-	-	-	-	-	-	-	-	0.54	0.48	0.54	0.48	0.53
0.39	0.30	0.31	0.30	0.31	0.31	0.34	0.31	0.34	0.34	0.35	0.34	0.35	0.36
51	57	57	57	57	54	54	54	54	54	54	54	54	51
0.36	0.37	0.33	0.41	0.37	0.36	0.32	0.40	0.36	0.31	0.28	0.37	0.34	0.30
0.48	0.55	0.49	0.55	0.49	0.54	0.48	0.54	0.48	0.55	0.49	0.55	0.49	0.54
-	-	-	-	-	-	-	-	-	0.33	0.34	0.33	0.34	0.35
-	-	-	-	-	-	-	-	-	55	55	55	55	51
-	-	-	-	-	-	-	-	-	0.31	0.28	0.37	0.34	0.30
-	-	-	-	-	-	-	-	-	0.55	0.49	0.55	0.49	0.54
0.39	0.31	0.32	0.31	0.32	0.32	0.35	0.32	0.35	0.34	0.35	0.34	0.35	0.36
50	57	57	57	57	54	54	54	54	54	54	54	54	51
0.35	0.36	0.32	0.40	0.36	0.35	0.31	0.39	0.35	0.30	0.27	0.36	0.33	0.30
0.46	0.53	0.47	0.53	0.47	0.52	0.46	0.52	0.46	0.53	0.47	0.53	0.47	0.52
-	-	-	-	-	-	-	-	-	0.34	0.35	0.34	0.35	0.36
-	-	-	-	-	-	-	-	-	54	54	54	54	51
-	-	-	-	-	-	-	-	-	0.30	0.27	0.36	0.33	0.30
-	-	-	-	-	-	-	-	-	0.53	0.47	0.53	0.47	0.52
0.38	0.30	0.31	0.30	0.31	0.31	0.34	0.31	0.34	0.33	0.34	0.33	0.34	0.35
51	58	58	58	58	55	55	55	55	55	55	55	55	51
0.36	0.37	0.33	0.41	0.37	0.36	0.32	0.40	0.36	0.31	0.28	0.37	0.33	0.30

9 27	10 22	10 22	10 23	10 23	11 26	11 26	11 27	11 27	12 30	12 30	12 31	12 31	13 34
AFG TI-R - 5mm Southern (<1" Grid)	AFG TI-R, Argon, SSB or DSB (No Grids)	AFG TI-R, Argon, SSB or DSB (<1" Grid)	AFG TI-R, Argon, SSB or DSB (No Grids)	AFG TI-R, Argon, SSB or DSB (<1" Grid)	AFG TI-R, Argon, 5mm (No Grids)	AFG TI-R, Argon, 5mm (<1" Grid)	AFG TI-R, Argon, 5mm (No Grids)	AFG TI-R, Argon, 5mm (<1" Grid)	Gua RLE 71/38 - SSB or DSB (No Grids)	Gua RLE 71/38 - SSB or DSB (<1" Grid)	Gua RLE 71/38 - SSB or DSB (No Grids)	Gua RLE 71/38 - SSB or DSB (<1" Grid)	Gua RLE 71/38 - 5mm (No Grids)
0.48	0.55	0.49	0.55	0.49	0.53	0.48	0.53	0.48	0.55	0.49	0.55	0.49	0.54
-	-	-	-	-	-	-	-	-	-	-	0.33	0.34	0.35
-	-	-	-	-	-	-	-	-	-	-	55	55	51
-	-	-	-	-	-	-	-	-	-	-	0.37	0.33	0.30
-	-	-	-	-	-	-	-	-	-	-	0.55	0.49	0.54

9 27	10 22	10 22	10 23	10 23	11 26	11 26	11 27	11 27	12 30	12 30	12 31	12 31	13 34
AFG TI-R - 5mm Southern (<1" Grid)	AFG TI-R, Argon, SSB or DSB (No Grids)	AFG TI-R, Argon, SSB or DSB (<1" Grid)	AFG TI-R, Argon, SSB or DSB Southern (No Grids)	AFG TI-R, Argon, SSB or DSB Southern (<1" Grid)	AFG TI-R, Argon, 5mm (No Grids)	AFG TI-R, Argon, 5mm (<1" Grid)	AFG TI-R, Argon, 5mm Southern (No Grids)	AFG TI-R, Argon, 5mm Southern (<1" Grid)	Gua RLE 71/38 - SSB or DSB (No Grids)	Gua RLE 71/38 - SSB or DSB (<1" Grid)	Gua RLE 71/38 - SSB or DSB Southern (No Grids)	Gua RLE 71/38 - SSB or DSB Southern (<1" Grid)	Gua RLE 71/38 - 5mm (No Grids)
0.35	0.28	0.28	0.28	0.28	0.29	0.31	0.29	0.31	0.31	0.32	0.31	0.32	0.33
51	58	58	58	58	55	55	55	55	55	55	55	55	51
0.34	0.35	0.32	0.39	0.35	0.34	0.31	0.38	0.34	0.29	0.26	0.35	0.32	0.29
0.46	0.52	0.47	0.52	0.47	0.50	0.46	0.50	0.46	0.52	0.47	0.52	0.47	0.51
-	-	-	-	-	-	-	-	-	0.30	0.31	0.30	0.31	0.32
-	-	-	-	-	-	-	-	-	55	55	55	55	51
-	-	-	-	-	-	-	-	-	0.29	0.26	0.35	0.32	0.29
-	-	-	-	-	-	-	-	-	0.52	0.47	0.52	0.47	0.51
0.36	0.27	0.28	0.27	0.28	0.28	0.31	0.28	0.31	0.30	0.31	0.30	0.31	0.32
50	57	57	57	57	54	54	54	54	54	54	54	54	50
0.38	0.39	0.36	0.43	0.39	0.38	0.34	0.42	0.38	0.32	0.29	0.40	0.36	0.32
0.51	0.58	0.52	0.58	0.52	0.57	0.51	0.57	0.51	0.58	0.52	0.58	0.52	0.57
-	-	-	-	-	-	-	-	-	0.30	0.31	0.30	0.31	0.32
-	-	-	-	-	-	-	-	-	55	55	55	55	51
-	-	-	-	-	-	-	-	-	0.32	0.29	0.40	0.36	0.32
-	-	-	-	-	-	-	-	-	0.58	0.52	0.58	0.52	0.57
0.35	0.27	0.28	0.27	0.28	0.28	0.30	0.28	0.30	0.31	0.31	0.31	0.31	0.32
50	57	57	57	57	54	54	54	54	54	54	54	54	50
0.34	0.35	0.32	0.39	0.35	0.34	0.31	0.38	0.34	0.29	0.26	0.35	0.32	0.29
0.46	0.52	0.47	0.52	0.47	0.50	0.46	0.50	0.46	0.52	0.47	0.52	0.47	0.51
-	-	-	-	-	-	-	-	-	0.30	0.31	0.30	0.31	0.32
-	-	-	-	-	-	-	-	-	54	54	54	54	50
-	-	-	-	-	-	-	-	-	0.29	0.26	0.35	0.32	0.29
-	-	-	-	-	-	-	-	-	0.52	0.47	0.52	0.47	0.51
0.37	0.29	0.30	0.29	0.30	0.29	0.32	0.29	0.32	0.32	0.33	0.32	0.33	0.34
53	60	60	60	60	57	57	57	57	57	57	57	57	53
0.38	0.39	0.35	0.43	0.39	0.38	0.34	0.42	0.38	0.32	0.29	0.39	0.36	0.32
0.50	0.58	0.52	0.58	0.52	0.56	0.50	0.56	0.50	0.58	0.52	0.58	0.52	0.57
-	-	-	-	-	-	-	-	-	0.32	0.33	0.32	0.33	0.34
-	-	-	-	-	-	-	-	-	58	58	58	58	54
-	-	-	-	-	-	-	-	-	0.32	0.29	0.39	0.36	0.32
-	-	-	-	-	-	-	-	-	0.58	0.52	0.58	0.52	0.57

9 27	10 22	10 22	10 23	10 23	11 26	11 26	11 27	11 27	12 30	12 30	12 31	12 31	13 34
AFG TI-R - 5mm Southern (<1" Grid)	AFG TI-R, Argon, SSB or DSB (No Grids)	AFG TI-R, Argon, SSB or DSB (<1" Grid)	AFG TI-R, Argon, SSB or DSB (No Grids)	AFG TI-R, Argon, SSB or DSB (<1" Grid)	AFG TI-R, Argon, 5mm (No Grids)	AFG TI-R, Argon, 5mm (<1" Grid)	AFG TI-R, Argon, 5mm (No Grids)	AFG TI-R, Argon, 5mm (<1" Grid)	Gua RLE 71/38 - SSB or DSB (No Grids)	Gua RLE 71/38 - SSB or DSB (<1" Grid)	Gua RLE 71/38 - SSB or DSB (No Grids)	Gua RLE 71/38 - SSB or DSB (<1" Grid)	Gua RLE 71/38 - 5mm (No Grids)
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

Thermal Test Reports

13 34	13 35	13 35	14 30	14 30	14 31	14 31	15 34	15 34	15 35	15 35	16 38	16 38	16 39
Gua RLE 71/38 - 5mm (<1" Grid)	Gua RLE 71/38 - 5mm Southern (No Grids)	Gua RLE 71/38 - 5mm Southern (<1" Grid)	Gua RLE 71/38 Argon, SSB or DSB (No Grids)	Gua RLE 71/38 Argon, SSB or DSB (<1" Grid)	Gua RLE 71/38 Argon, SSB or DSB Southern (No Grids)	Gua RLE 71/38 Argon, SSB or DSB Southern (<1" Grid)	Gua RLE 71/38 Argon, 5mm (No Grids)	Gua RLE 71/38 Argon, 5mm (<1" Grid)	Gua RLE 71/38 Argon, 5mm (No Grids)	Gua RLE 71/38 Argon, 5mm Southern (<1" Grid)	AFG TI-AC 36 - SSB or DSB (No Grids)	AFG TI-AC 36 - SSB or DSB (<1" Grid)	AFG TI-AC 36 - SSB or DSB Southern (No Grids)
0.35	0.34	0.35	0.30	0.31	0.30	0.31	0.31	0.34	0.31	0.34	0.34	0.35	0.34
54	54	54	58	58	58	58	55	55	55	55	54	54	54
0.28	0.37	0.33	0.31	0.28	0.38	0.34	0.31	0.28	0.37	0.33	0.29	0.26	0.36
0.48	0.54	0.48	0.55	0.49	0.55	0.49	0.54	0.48	0.54	0.48	0.53	0.47	0.53
0.35	0.34	0.35	0.30	0.30	0.30	0.30	0.31	0.34	0.31	0.34	0.33	0.34	0.33
54	54	54	58	58	58	58	54	54	54	54	55	55	55
0.28	0.37	0.33	0.31	0.28	0.38	0.34	0.31	0.28	0.37	0.33	0.29	0.26	0.36
0.48	0.54	0.48	0.55	0.49	0.55	0.49	0.54	0.48	0.54	0.48	0.53	0.47	0.53
0.39	0.36	0.39	0.30	0.31	0.30	0.31	0.31	0.34	0.31	0.34	0.34	0.35	0.34
51	51	51	58	58	58	58	55	55	55	55	55	54	55
0.28	0.37	0.33	0.31	0.28	0.38	0.34	0.31	0.28	0.37	0.33	0.29	0.26	0.37
0.49	0.55	0.49	0.56	0.50	0.56	0.50	0.55	0.49	0.55	0.49	0.54	0.48	0.54
0.38	0.35	0.38	0.30	0.30	0.30	0.30	0.31	0.34	0.31	0.34	0.33	0.34	0.33
51	51	51	58	58	58	58	55	55	55	55	55	55	55
0.28	0.37	0.33	0.31	0.28	0.38	0.34	0.31	0.28	0.37	0.33	0.29	0.26	0.37
0.49	0.55	0.49	0.56	0.50	0.56	0.50	0.55	0.49	0.55	0.49	0.54	0.48	0.54
0.38	0.35	0.38	0.30	0.30	0.30	0.30	0.31	0.33	0.31	0.33	0.33	0.34	0.33
52	52	52	59	59	59	59	56	56	56	56	56	56	56
0.28	0.37	0.33	0.31	0.28	0.38	0.34	0.31	0.28	0.37	0.33	0.29	0.26	0.36
0.49	0.55	0.49	0.56	0.50	0.56	0.50	0.55	0.49	0.55	0.49	0.53	0.47	0.53
0.38	0.35	0.38	0.29	0.30	0.29	0.30	0.30	0.33	0.30	0.33	0.33	0.34	0.33
52	52	52	60	60	60	60	56	56	56	56	56	56	56
0.28	0.37	0.33	0.31	0.28	0.38	0.34	0.31	0.28	0.37	0.33	0.29	0.26	0.36
0.49	0.55	0.49	0.56	0.50	0.56	0.50	0.55	0.49	0.55	0.49	0.53	0.47	0.53
0.38	0.35	0.38	0.30	0.30	0.30	0.30	0.30	0.33	0.30	0.33	0.33	0.34	0.33
51	51	51	58	58	58	58	55	55	55	55	55	55	55
0.27	0.36	0.33	0.31	0.27	0.37	0.33	0.30	0.27	0.36	0.33	0.29	0.26	0.36
0.48	0.54	0.48	0.55	0.49	0.55	0.49	0.54	0.48	0.54	0.48	0.52	0.47	0.52
0.38	0.35	0.38	0.29	0.30	0.29	0.30	0.30	0.33	0.30	0.33	0.33	0.34	0.33
52	52	52	59	59	59	59	55	55	55	55	55	55	55

Thermal Test Reports

13 34	13 35	13 35	14 30	14 30	14 31	14 31	15 34	15 34	15 35	15 35	16 38	16 38	16 39
Gua RLE 71/38 - 5mm (<1" Grid)	Gua RLE 71/38 - 5mm Southern (No Grids)	Gua RLE 71/38 - 5mm Southern (<1" Grid)	Gua RLE 71/38 Argon, SSB or DSB (No Grids)	Gua RLE 71/38 Argon, SSB or DSB (<1" Grid)	Gua RLE 71/38 Argon, SSB or DSB Southern (No Grids)	Gua RLE 71/38 Argon, SSB or DSB Southern (<1" Grid)	Gua RLE 71/38 Argon, 5mm (No Grids)	Gua RLE 71/38 Argon, 5mm (<1" Grid)	Gua RLE 71/38 Argon, 5mm Southern (No Grids)	Gua RLE 71/38 Argon, 5mm Southern (<1" Grid)	AFG TI-AC 36 - SSB or DSB (No Grids)	AFG TI-AC 36 - SSB or DSB (<1" Grid)	AFG TI-AC 36 - SSB or DSB Southern (No Grids)
0.27 0.48	0.36 0.54	0.33 0.48	0.31 0.55	0.27 0.49	0.37 0.55	0.33 0.49	0.30 0.54	0.27 0.48	0.36 0.54	0.33 0.48	0.29 0.52	0.26 0.47	0.36 0.52
0.39 51 0.27 0.47	0.36 51 0.35 0.53	0.39 51 0.32 0.47	0.31 57 0.30 0.54	0.32 57 0.27 0.48	0.31 57 0.36 0.54	0.32 57 0.33 0.48	0.32 54 0.30 0.53	0.34 54 0.27 0.47	0.32 54 0.35 0.53	0.34 54 0.32 0.47	0.34 54 0.28 0.51	0.35 54 0.25 0.46	0.34 54 0.35 0.51
0.39 51 0.27 0.47	0.36 51 0.35 0.53	0.39 51 0.32 0.47	0.30 58 0.30 0.54	0.31 58 0.27 0.48	0.30 58 0.36 0.54	0.31 58 0.33 0.48	0.32 54 0.30 0.53	0.34 54 0.27 0.47	0.32 54 0.35 0.53	0.34 54 0.32 0.47	0.34 54 0.28 0.51	0.34 54 0.25 0.46	0.34 54 0.35 0.51
0.39 51 0.27 0.48	0.36 51 0.36 0.54	0.39 51 0.33 0.48	0.30 58 0.31 0.55	0.31 58 0.28 0.49	0.30 58 0.37 0.55	0.31 58 0.34 0.49	0.31 54 0.30 0.54	0.34 54 0.27 0.48	0.31 54 0.36 0.54	0.34 54 0.33 0.48	0.34 54 0.29 0.53	0.35 54 0.26 0.47	0.34 54 0.36 0.53
0.38 51 0.27 0.48	0.35 51 0.36 0.54	0.38 51 0.33 0.48	0.30 58 0.31 0.55	0.30 58 0.28 0.49	0.30 58 0.37 0.55	0.30 58 0.34 0.49	0.31 54 0.30 0.54	0.34 54 0.27 0.48	0.31 54 0.36 0.54	0.34 54 0.33 0.48	0.33 55 0.29 0.53	0.34 55 0.26 0.47	0.33 55 0.36 0.53
0.39 51 0.27 0.47	0.36 51 0.35 0.52	0.39 51 0.32 0.47	0.31 57 0.30 0.53	0.32 57 0.27 0.47	0.31 57 0.36 0.53	0.32 57 0.33 0.47	0.32 54 0.30 0.52	0.34 54 0.27 0.47	0.32 54 0.35 0.52	0.34 54 0.32 0.47	0.34 54 0.28 0.51	0.35 54 0.25 0.45	0.34 54 0.35 0.51
0.39 51 0.27 0.47	0.36 51 0.35 0.52	0.39 51 0.32 0.47	0.30 58 0.30 0.53	0.31 58 0.27 0.47	0.30 58 0.36 0.53	0.31 58 0.33 0.47	0.32 54 0.30 0.52	0.34 54 0.27 0.47	0.32 54 0.35 0.52	0.34 54 0.32 0.47	0.34 54 0.28 0.51	0.35 54 0.25 0.45	0.34 54 0.35 0.51
0.38 51 0.27	0.35 51 0.36	0.38 51 0.33	0.30 58 0.31	0.31 58 0.28	0.30 58 0.37	0.31 58 0.33	0.31 55 0.30	0.34 55 0.27	0.31 55 0.36	0.34 55 0.33	0.34 54 0.29	0.34 54 0.26	0.34 54 0.36

Thermal Test Reports

13 34	13 35	13 35	14 30	14 30	14 31	14 31	15 34	15 34	15 35	15 35	16 38	16 38	16 39
Gua RLE 71/38	Gua RLE 71/38	Gua RLE 71/38	Gua RLE 71/38	Gua RLE 71/38	Gua RLE 71/38	Gua RLE 71/38	Gua RLE 71/38	Gua RLE 71/38	Gua RLE 71/38	Gua RLE 71/38	AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 36
- 5mm (<1" Grid)	- 5mm Southern (No Grids)	- 5mm Southern (<1" Grid)	Argon, SSB or DSB (No Grids)	Argon, SSB or DSB (<1" Grid)	Argon, SSB or DSB (No Grids)	Argon, SSB or DSB (<1" Grid)	Argon, 5mm (No Grids)	Argon, 5mm (<1" Grid)	Argon, 5mm (No Grids)	Argon, 5mm Southern (<1" Grid)	- SSB or DSB (No Grids)	- SSB or DSB (<1" Grid)	- SSB or DSB Southern (No Grids)
0.48	0.54	0.48	0.55	0.49	0.55	0.49	0.54	0.48	0.54	0.48	0.52	0.47	0.52
0.38	0.35	0.38	0.29	0.30	0.29	0.30	0.31	0.33	0.31	0.33	0.33	0.34	0.33
51	51	51	58	58	58	58	55	55	55	55	55	55	55
0.27	0.36	0.33	0.31	0.28	0.37	0.33	0.30	0.27	0.36	0.33	0.29	0.26	0.36
0.48	0.54	0.48	0.55	0.49	0.55	0.49	0.54	0.48	0.54	0.48	0.52	0.47	0.52

Thermal Test Reports

13 34	13 35	13 35	14 30	14 30	14 31	14 31	15 34	15 34	15 35	15 35	16 38	16 38	16 39
Gua RLE 71/38 - 5mm (<1" Grid)	Gua RLE 71/38 - 5mm Southern (No Grids)	Gua RLE 71/38 - 5mm Southern (<1" Grid)	Gua RLE 71/38 Argon, SSB or DSB (No Grids)	Gua RLE 71/38 Argon, SSB or DSB (<1" Grid)	Gua RLE 71/38 Argon, SSB or DSB Southern (No Grids)	Gua RLE 71/38 Argon, SSB or DSB Southern (<1" Grid)	Gua RLE 71/38 Argon, 5mm (No Grids)	Gua RLE 71/38 Argon, 5mm (<1" Grid)	Gua RLE 71/38 Argon, 5mm (No Grids)	Gua RLE 71/38 Argon, 5mm Southern (<1" Grid)	AFG TI-AC 36 - SSB or DSB (No Grids)	AFG TI-AC 36 - SSB or DSB (<1" Grid)	AFG TI-AC 36 - SSB or DSB Southern (No Grids)
0.35	0.33	0.35	0.28	0.28	0.28	0.28	0.28	0.31	0.28	0.31	0.31	0.32	0.31
51	51	51	58	58	58	58	55	55	55	55	55	55	55
0.26	0.34	0.31	0.29	0.26	0.35	0.32	0.29	0.26	0.34	0.31	0.27	0.25	0.34
0.46	0.51	0.46	0.52	0.47	0.52	0.47	0.51	0.46	0.51	0.46	0.49	0.45	0.49
0.35	0.32	0.35	0.27	0.28	0.27	0.28	0.28	0.30	0.28	0.30	0.30	0.31	0.30
51	51	51	59	59	59	59	55	55	55	55	55	55	55
0.26	0.34	0.31	0.29	0.26	0.35	0.32	0.29	0.26	0.34	0.31	0.27	0.25	0.34
0.46	0.51	0.46	0.52	0.47	0.52	0.47	0.51	0.46	0.51	0.46	0.49	0.45	0.49
0.36	0.32	0.36	0.27	0.28	0.27	0.28	0.28	0.31	0.28	0.31	0.31	0.32	0.31
50	50	50	57	57	57	57	54	54	54	54	54	54	54
0.29	0.39	0.35	0.32	0.29	0.40	0.36	0.32	0.29	0.39	0.35	0.30	0.28	0.38
0.51	0.57	0.51	0.58	0.52	0.58	0.52	0.57	0.51	0.57	0.51	0.56	0.50	0.56
0.35	0.32	0.35	0.26	0.27	0.26	0.27	0.27	0.30	0.27	0.30	0.30	0.31	0.30
51	51	51	58	58	58	58	55	55	55	55	55	55	55
0.29	0.39	0.35	0.32	0.29	0.40	0.36	0.32	0.29	0.39	0.35	0.30	0.28	0.38
0.51	0.57	0.51	0.58	0.52	0.58	0.52	0.57	0.51	0.57	0.51	0.56	0.50	0.56
0.35	0.32	0.35	0.27	0.28	0.27	0.28	0.28	0.30	0.28	0.30	0.31	0.31	0.31
50	50	50	57	57	57	57	54	54	54	54	53	53	53
0.26	0.34	0.31	0.29	0.26	0.35	0.32	0.29	0.26	0.34	0.31	0.27	0.25	0.34
0.46	0.51	0.46	0.52	0.47	0.52	0.47	0.51	0.46	0.51	0.46	0.49	0.45	0.49
0.34	0.32	0.34	0.27	0.27	0.27	0.27	0.28	0.30	0.28	0.30	0.30	0.31	0.30
50	50	50	58	58	58	58	54	54	54	54	54	54	54
0.26	0.34	0.31	0.29	0.26	0.35	0.32	0.29	0.26	0.34	0.31	0.27	0.25	0.34
0.46	0.51	0.46	0.52	0.47	0.52	0.47	0.51	0.46	0.51	0.46	0.49	0.45	0.49
0.37	0.34	0.37	0.28	0.29	0.28	0.29	0.29	0.32	0.29	0.32	0.32	0.33	0.32
53	53	53	61	61	61	61	57	57	57	57	57	57	57
0.29	0.38	0.35	0.32	0.29	0.39	0.36	0.32	0.29	0.38	0.35	0.30	0.27	0.38
0.51	0.57	0.51	0.58	0.52	0.58	0.52	0.57	0.51	0.57	0.51	0.55	0.49	0.55
0.37	0.34	0.37	0.28	0.29	0.28	0.29	0.29	0.32	0.29	0.32	0.32	0.33	0.32
54	54	54	61	61	61	61	57	57	57	57	57	57	57
0.29	0.38	0.35	0.32	0.29	0.39	0.36	0.32	0.29	0.38	0.35	0.30	0.27	0.38
0.51	0.57	0.51	0.58	0.52	0.58	0.52	0.57	0.51	0.57	0.51	0.55	0.49	0.55

Thermal Test Reports

13 34	13 35	13 35	14 30	14 30	14 31	14 31	15 34	15 34	15 35	15 35	16 38	16 38	16 39
Gua RLE 71/38	Gua RLE 71/38	Gua RLE 71/38	Gua RLE 71/38	Gua RLE 71/38	Gua RLE 71/38	Gua RLE 71/38	Gua RLE 71/38	Gua RLE 71/38	Gua RLE 71/38	Gua RLE 71/38	AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 36
- 5mm (<1" Grid)	- 5mm Southern (No Grids)	- 5mm Southern (<1" Grid)	Argon, SSB or DSB (No Grids)	Argon, SSB or DSB (<1" Grid)	Argon, SSB or DSB (No Grids)	Argon, SSB or DSB (<1" Grid)	Argon, 5mm (No Grids)	Argon, 5mm (<1" Grid)	Argon, 5mm (No Grids)	Argon, 5mm Southern (<1" Grid)	- SSB or DSB (No Grids)	- SSB or DSB (<1" Grid)	- SSB or DSB Southern (No Grids)
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

16 39	17 42	17 42	17 43	17 43	18 38	18 38	18 39	18 39	19 42	19 42	19 43	19 43	20 46
AFG TI-AC 36 - SSB or DSB Southern (<1" Grid)	AFG TI-AC 36 - 5mm (No Grids)	AFG TI-AC 36 - 5mm (<1" Grid)	AFG TI-AC 36 - 5mm Southern (No Grids)	AFG TI-AC 36 - 5mm Southern (<1" Grid)	AFG TI-AC 36 Argon, SSB or DSB (No Grids)	AFG TI-AC 36 Argon, SSB or DSB (<1" Grid)	AFG TI-AC 36 Argon, SSB or DSB (No Grids)	AFG TI-AC 36 Argon, SSB or DSB (<1" Grid)	AFG TI-AC 36 Argon, 5mm (No Grids)	AFG TI-AC 36 Argon, 5mm (<1" Grid)	AFG TI-AC 36 Argon, 5mm (No Grids)	AFG TI-AC 36 Argon, 5mm Southern (<1" Grid)	AFG TI-AC 40 - SSB or DSB (No Grids)
0.35	0.36	0.39	0.36	0.39	0.30	0.31	0.30	0.31	0.31	0.34	0.31	0.34	0.34
54	51	51	51	51	58	58	58	58	54	54	54	54	54
0.33	0.29	0.26	0.35	0.32	0.29	0.26	0.36	0.33	0.29	0.26	0.35	0.32	0.32
0.47	0.52	0.46	0.52	0.46	0.53	0.47	0.53	0.47	0.52	0.46	0.52	0.46	0.55
0.34	0.36	0.38	0.36	0.38	0.30	0.31	0.30	0.31	0.31	0.34	0.31	0.34	-
55	51	51	51	51	58	58	58	58	54	54	54	54	-
0.33	0.29	0.26	0.35	0.32	0.29	0.26	0.36	0.33	0.29	0.26	0.35	0.32	-
0.47	0.52	0.46	0.52	0.46	0.53	0.47	0.53	0.47	0.52	0.46	0.52	0.46	-
0.35	0.36	0.39	0.36	0.39	0.30	0.31	0.30	0.31	0.31	0.34	0.31	0.34	0.34
54	51	51	51	51	58	58	58	58	55	55	55	55	54
0.33	0.29	0.26	0.36	0.32	0.29	0.26	0.37	0.33	0.29	0.26	0.36	0.32	0.32
0.48	0.53	0.47	0.53	0.47	0.54	0.48	0.54	0.48	0.53	0.47	0.53	0.47	0.56
0.34	0.36	0.38	0.36	0.38	0.30	0.31	0.30	0.31	0.31	0.34	0.31	0.34	-
55	51	51	51	51	58	58	58	58	55	55	55	55	-
0.33	0.29	0.26	0.36	0.32	0.29	0.26	0.37	0.33	0.29	0.26	0.36	0.32	-
0.48	0.53	0.47	0.53	0.47	0.54	0.48	0.54	0.48	0.53	0.47	0.53	0.47	-
0.34	0.35	0.38	0.35	0.38	0.30	0.31	0.30	0.31	0.31	0.34	0.31	0.34	0.34
56	52	52	52	52	59	59	59	59	56	56	56	56	56
0.33	0.29	0.26	0.36	0.32	0.29	0.26	0.36	0.33	0.29	0.26	0.36	0.32	0.32
0.47	0.52	0.46	0.52	0.46	0.53	0.47	0.53	0.47	0.52	0.46	0.52	0.46	0.55
0.34	0.35	0.38	0.35	0.38	0.29	0.30	0.29	0.30	0.31	0.33	0.31	0.33	-
56	52	52	52	52	60	60	60	60	56	56	56	56	-
0.33	0.29	0.26	0.36	0.32	0.29	0.26	0.36	0.33	0.29	0.26	0.36	0.32	-
0.47	0.52	0.46	0.52	0.46	0.53	0.47	0.53	0.47	0.52	0.46	0.52	0.46	-
0.34	0.35	0.38	0.35	0.38	0.30	0.31	0.30	0.31	0.31	0.33	0.31	0.33	0.33
55	51	51	51	51	58	58	58	58	55	55	55	55	55
0.32	0.29	0.26	0.35	0.32	0.29	0.26	0.36	0.32	0.29	0.26	0.35	0.32	0.31
0.47	0.51	0.46	0.51	0.46	0.52	0.47	0.52	0.47	0.51	0.46	0.51	0.46	0.54
0.34	0.35	0.38	0.35	0.38	0.29	0.30	0.29	0.30	0.31	0.33	0.31	0.33	-
55	51	51	51	51	58	58	58	58	55	55	55	55	-

16 39	17 42	17 42	17 43	17 43	18 38	18 38	18 39	18 39	19 42	19 42	19 43	19 43	20 46
AFG TI-AC 36 - SSB or DSB Southern (<1" Grid)	AFG TI-AC 36 - 5mm (No Grids)	AFG TI-AC 36 - 5mm (<1" Grid)	AFG TI-AC 36 - 5mm Southern (No Grids)	AFG TI-AC 36 - 5mm Southern (<1" Grid)	AFG TI-AC 36 Argon, SSB or DSB (No Grids)	AFG TI-AC 36 Argon, SSB or DSB (<1" Grid)	AFG TI-AC 36 Argon, SSB or DSB (No Grids)	AFG TI-AC 36 Argon, SSB or DSB (<1" Grid)	AFG TI-AC 36 Argon, 5mm (No Grids)	AFG TI-AC 36 Argon, 5mm (<1" Grid)	AFG TI-AC 36 Argon, 5mm (No Grids)	AFG TI-AC 36 Argon, 5mm Southern (<1" Grid)	AFG TI-AC 40 - SSB or DSB (No Grids)
0.32 0.47	0.29 0.51	0.26 0.46	0.35 0.51	0.32 0.46	0.29 0.52	0.26 0.47	0.36 0.52	0.32 0.47	0.29 0.51	0.26 0.46	0.35 0.51	0.32 0.46	- -
0.35 54 0.32 0.46	0.36 51 0.28 0.50	0.39 51 0.25 0.45	0.36 51 0.34 0.50	0.39 51 0.31 0.45	0.31 57 0.28 0.51	0.32 57 0.25 0.46	0.31 57 0.35 0.51	0.32 57 0.32 0.46	0.32 54 0.28 0.50	0.35 54 0.25 0.45	0.32 54 0.34 0.50	0.35 54 0.31 0.45	0.35 54 0.31 0.53
0.34 54 0.32 0.46	0.36 51 0.28 0.50	0.39 51 0.25 0.45	0.36 51 0.34 0.50	0.39 51 0.31 0.45	0.31 58 0.28 0.51	0.31 58 0.25 0.46	0.31 58 0.35 0.51	0.31 58 0.32 0.46	0.32 54 0.28 0.50	0.34 54 0.25 0.45	0.32 54 0.34 0.50	0.34 54 0.31 0.45	- - - -
0.35 54 0.33 0.47	0.36 51 0.29 0.52	0.39 51 0.26 0.46	0.36 51 0.35 0.52	0.39 51 0.32 0.46	0.30 57 0.29 0.53	0.31 57 0.26 0.47	0.30 57 0.36 0.53	0.31 57 0.32 0.47	0.31 54 0.29 0.52	0.34 54 0.26 0.46	0.31 54 0.35 0.52	0.34 54 0.32 0.46	0.34 54 0.31 0.55
0.34 55 0.33 0.47	0.36 51 0.29 0.52	0.38 51 0.26 0.46	0.36 51 0.35 0.52	0.38 51 0.32 0.46	0.30 58 0.29 0.53	0.31 58 0.26 0.47	0.30 58 0.36 0.53	0.31 58 0.32 0.47	0.31 54 0.29 0.52	0.34 54 0.26 0.46	0.31 54 0.35 0.52	0.34 54 0.32 0.46	- - - -
0.35 54 0.31 0.45	0.36 50 0.28 0.50	0.39 50 0.25 0.44	0.36 50 0.34 0.50	0.39 50 0.31 0.44	0.31 57 0.28 0.51	0.32 57 0.25 0.45	0.31 57 0.35 0.51	0.32 57 0.31 0.45	0.32 54 0.28 0.50	0.35 54 0.25 0.44	0.32 54 0.34 0.50	0.35 54 0.31 0.44	0.35 54 0.31 0.53
0.35 54 0.31 0.45	0.36 51 0.28 0.50	0.39 50 0.25 0.44	0.36 51 0.34 0.50	0.39 50 0.31 0.44	0.31 57 0.28 0.51	0.31 57 0.25 0.45	0.31 57 0.35 0.51	0.31 57 0.31 0.45	0.32 54 0.28 0.50	0.34 54 0.25 0.44	0.32 54 0.34 0.50	0.34 54 0.31 0.44	- - - -
0.34 54 0.32	0.35 51 0.29	0.38 51 0.26	0.35 51 0.35	0.38 51 0.32	0.30 58 0.29	0.31 58 0.26	0.30 58 0.36	0.31 58 0.32	0.31 55 0.29	0.34 55 0.26	0.31 55 0.35	0.34 55 0.32	0.34 54 0.31

16 39	17 42	17 42	17 43	17 43	18 38	18 38	18 39	18 39	19 42	19 42	19 43	19 43	20 46
AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 40
- SSB or DSB Southern (<1" Grid)	- 5mm (No Grids)	- 5mm (<1" Grid)	- 5mm Southern (No Grids)	- 5mm Southern (<1" Grid)	Argon, SSB or DSB (No Grids)	Argon, SSB or DSB (<1" Grid)	Argon, SSB or DSB (No Grids)	Argon, SSB or DSB (<1" Grid)	Argon, 5mm (No Grids)	Argon, 5mm (<1" Grid)	Argon, 5mm (No Grids)	Argon, 5mm Southern (<1" Grid)	- SSB or DSB (No Grids)
0.47	0.51	0.46	0.51	0.46	0.52	0.47	0.52	0.47	0.51	0.46	0.51	0.46	0.54
0.34	0.35	0.38	0.35	0.38	0.30	0.30	0.30	0.30	0.31	0.34	0.31	0.34	-
55	51	51	51	51	58	58	58	58	55	55	55	55	-
0.32	0.29	0.26	0.35	0.32	0.29	0.26	0.36	0.32	0.29	0.26	0.35	0.32	-
0.47	0.51	0.46	0.51	0.46	0.52	0.47	0.52	0.47	0.51	0.46	0.51	0.46	-

16 39	17 42	17 42	17 43	17 43	18 38	18 38	18 39	18 39	19 42	19 42	19 43	19 43	20 46
AFG TI-AC 36 - SSB or DSB Southern (<1" Grid)	AFG TI-AC 36 - 5mm (No Grids)	AFG TI-AC 36 - 5mm (<1" Grid)	AFG TI-AC 36 - 5mm Southern (No Grids)	AFG TI-AC 36 - 5mm Southern (<1" Grid)	AFG TI-AC 36 Argon, SSB or DSB (No Grids)	AFG TI-AC 36 Argon, SSB or DSB (<1" Grid)	AFG TI-AC 36 Argon, SSB or DSB (No Grids)	AFG TI-AC 36 Argon, SSB or DSB (<1" Grid)	AFG TI-AC 36 Argon, 5mm (No Grids)	AFG TI-AC 36 Argon, 5mm (<1" Grid)	AFG TI-AC 36 Argon, 5mm (No Grids)	AFG TI-AC 36 Argon, 5mm Southern (<1" Grid)	AFG TI-AC 40 - SSB or DSB (No Grids)
0.32	0.33	0.35	0.33	0.35	0.28	0.28	0.28	0.28	0.29	0.31	0.29	0.31	0.31
55	51	51	51	51	58	58	58	58	55	55	55	55	54
0.31	0.27	0.25	0.33	0.30	0.27	0.25	0.34	0.31	0.27	0.25	0.33	0.30	0.30
0.45	0.48	0.44	0.48	0.44	0.49	0.45	0.49	0.45	0.48	0.44	0.48	0.44	0.51
0.31	0.32	0.35	0.32	0.35	0.27	0.28	0.27	0.28	0.28	0.31	0.28	0.31	-
55	51	51	51	51	59	59	59	59	55	55	55	55	-
0.31	0.27	0.25	0.33	0.30	0.27	0.25	0.34	0.31	0.27	0.25	0.33	0.30	-
0.45	0.48	0.44	0.48	0.44	0.49	0.45	0.49	0.45	0.48	0.44	0.48	0.44	-
0.32	0.33	0.36	0.33	0.36	0.27	0.28	0.27	0.28	0.28	0.31	0.28	0.31	0.31
54	50	50	50	50	57	57	57	57	54	54	54	54	53
0.34	0.30	0.28	0.37	0.34	0.30	0.28	0.38	0.34	0.30	0.28	0.37	0.34	0.33
0.50	0.55	0.49	0.55	0.49	0.56	0.50	0.56	0.50	0.55	0.49	0.55	0.49	0.58
0.31	0.32	0.35	0.32	0.35	0.26	0.27	0.26	0.27	0.27	0.30	0.27	0.30	-
55	51	51	51	51	58	58	58	58	55	55	55	55	-
0.34	0.30	0.28	0.37	0.34	0.30	0.28	0.38	0.34	0.30	0.28	0.37	0.34	-
0.50	0.55	0.49	0.55	0.49	0.56	0.50	0.56	0.50	0.55	0.49	0.55	0.49	-
0.31	0.33	0.35	0.33	0.35	0.27	0.28	0.27	0.28	0.28	0.30	0.28	0.30	0.31
53	50	50	50	50	57	57	57	57	54	54	54	54	53
0.31	0.27	0.25	0.33	0.30	0.27	0.25	0.34	0.31	0.27	0.25	0.33	0.30	0.30
0.45	0.48	0.44	0.48	0.44	0.49	0.45	0.49	0.45	0.48	0.44	0.48	0.44	0.51
0.31	0.32	0.34	0.32	0.34	0.27	0.27	0.27	0.27	0.28	0.30	0.28	0.30	-
54	50	50	50	50	58	57	58	57	54	54	54	54	-
0.31	0.27	0.25	0.33	0.30	0.27	0.25	0.34	0.31	0.27	0.25	0.33	0.30	-
0.45	0.48	0.44	0.48	0.44	0.49	0.45	0.49	0.45	0.48	0.44	0.48	0.44	-
0.33	0.34	0.37	0.34	0.37	0.29	0.30	0.29	0.30	0.29	0.32	0.29	0.32	0.33
57	53	53	53	53	60	60	60	60	57	57	57	57	57
0.34	0.30	0.27	0.37	0.33	0.30	0.27	0.38	0.34	0.30	0.27	0.37	0.33	0.33
0.49	0.54	0.49	0.54	0.49	0.55	0.49	0.55	0.49	0.54	0.49	0.54	0.49	0.58
0.33	0.34	0.37	0.34	0.37	0.28	0.29	0.28	0.29	0.29	0.32	0.29	0.32	-
57	53	53	53	53	61	61	61	61	57	57	57	57	-
0.34	0.30	0.27	0.37	0.33	0.30	0.27	0.38	0.34	0.30	0.27	0.37	0.33	-
0.49	0.54	0.49	0.54	0.49	0.55	0.49	0.55	0.49	0.54	0.49	0.54	0.49	-

16 39	17 42	17 42	17 43	17 43	18 38	18 38	18 39	18 39	19 42	19 42	19 43	19 43	20 46
AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 36	AFG TI-AC 40
- SSB or DSB Southern (<1" Grid)	- 5mm (No Grids)	- 5mm (<1" Grid)	- 5mm Southern (No Grids)	- 5mm Southern (<1" Grid)	Argon, SSB or DSB (No Grids)	Argon, SSB or DSB (<1" Grid)	Argon, SSB or DSB (No Grids)	Argon, SSB or DSB (<1" Grid)	Argon, 5mm (No Grids)	Argon, 5mm (<1" Grid)	Argon, 5mm (No Grids)	Argon, 5mm Southern (<1" Grid)	- SSB or DSB (No Grids)
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

20 46	20 47	20 47	21 50	21 50	21 51	21 51	22 46	22 46	22 47	22 47	23 50	23 50	23 51
AFG TI-AC 40 - SSB or DSB ($<1''$ Grid)	AFG TI-AC 40 - SSB or DSB Southern (No Grids)	AFG TI-AC 40 - SSB or DSB Southern ($<1''$ Grid)	AFG TI-AC 40 - 5mm (No Grids)	AFG TI-AC 40 - 5mm ($<1''$ Grid)	AFG TI-AC 40 - 5mm Southern (No Grids)	AFG TI-AC 40 - 5mm Southern ($<1''$ Grid)	AFG TI-AC 40, Argon, SSB or DSB (No Grids)	AFG TI-AC 40, Argon, SSB or DSB ($<1''$ Grid)	AFG TI-AC 40, Argon, SSB or DSB (No Grids)	AFG TI-AC 40, Argon, SSB or DSB ($<1''$ Grid)	AFG TI-AC 40, Argon, 5mm (No Grids)	AFG TI-AC 40, Argon, 5mm ($<1''$ Grid)	AFG TI-AC 40, Argon, 5mm (No Grids)
0.35	0.34	0.35	0.36	0.39	0.36	0.39	0.30	0.31	0.30	0.31	0.31	0.34	0.31
54	54	54	51	51	51	51	57	57	57	57	54	54	54
0.29	0.39	0.35	0.31	0.28	0.37	0.34	0.32	0.29	0.39	0.35	0.31	0.28	0.37
0.49	0.55	0.49	0.54	0.48	0.54	0.48	0.55	0.49	0.55	0.49	0.54	0.48	0.54
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.35	0.34	0.35	0.36	0.39	0.36	0.39	0.30	0.31	0.30	0.31	0.31	0.34	0.31
54	54	54	51	51	51	51	58	58	58	58	55	55	55
0.29	0.39	0.35	0.32	0.29	0.38	0.34	0.32	0.29	0.39	0.35	0.32	0.29	0.38
0.50	0.56	0.50	0.54	0.49	0.54	0.49	0.56	0.50	0.56	0.50	0.54	0.49	0.54
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.34	0.34	0.34	0.36	0.38	0.36	0.38	0.30	0.31	0.30	0.31	0.31	0.34	0.31
56	56	56	52	52	52	52	59	59	59	59	56	56	56
0.29	0.39	0.35	0.31	0.28	0.38	0.34	0.32	0.29	0.39	0.35	0.31	0.28	0.38
0.49	0.55	0.49	0.54	0.48	0.54	0.48	0.55	0.49	0.55	0.49	0.54	0.48	0.54
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.34	0.33	0.34	0.35	0.38	0.35	0.38	0.30	0.31	0.30	0.31	0.31	0.34	0.31
55	55	55	51	51	51	51	58	58	58	58	55	55	55
0.28	0.38	0.34	0.31	0.28	0.37	0.33	0.31	0.28	0.38	0.34	0.31	0.28	0.37
0.49	0.54	0.49	0.53	0.48	0.53	0.48	0.54	0.49	0.54	0.49	0.53	0.48	0.53
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

20 46	20 47	20 47	21 50	21 50	21 51	21 51	22 46	22 46	22 47	22 47	23 50	23 50	23 51
AFG TI-AC 40 - SSB or DSB (<1" Grid)	AFG TI-AC 40 - SSB or DSB Southern (No Grids)	AFG TI-AC 40 - SSB or DSB Southern (<1" Grid)	AFG TI-AC 40 - 5mm (No Grids)	AFG TI-AC 40 - 5mm (<1" Grid)	AFG TI-AC 40 - 5mm Southern (No Grids)	AFG TI-AC 40 - 5mm Southern (<1" Grid)	AFG TI-AC 40, Argon, SSB or DSB (No Grids)	AFG TI-AC 40, Argon, SSB or DSB (<1" Grid)	AFG TI-AC 40, Argon, SSB or DSB (No Grids)	AFG TI-AC 40, Argon, SSB or DSB (<1" Grid)	AFG TI-AC 40, Argon, 5mm (No Grids)	AFG TI-AC 40, Argon, 5mm (<1" Grid)	AFG TI-AC 40, Argon, 5mm Southern (No Grids)
-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.36	0.35	0.36	0.36	0.39	0.36	0.39	0.31	0.32	0.31	0.32	0.32	0.35	0.32
54	54	54	50	50	50	50	57	57	57	57	54	54	54
0.28	0.37	0.34	0.30	0.27	0.36	0.33	0.31	0.28	0.37	0.34	0.30	0.27	0.36
0.47	0.53	0.47	0.52	0.46	0.52	0.46	0.53	0.47	0.53	0.47	0.52	0.46	0.52
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.35	0.34	0.35	0.36	0.39	0.36	0.39	0.31	0.31	0.31	0.31	0.31	0.34	0.31
54	54	54	51	50	51	50	57	57	57	57	54	54	54
0.28	0.38	0.35	0.31	0.28	0.37	0.33	0.31	0.28	0.38	0.35	0.31	0.28	0.37
0.49	0.55	0.49	0.54	0.48	0.54	0.48	0.55	0.49	0.55	0.49	0.54	0.48	0.54
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.36	0.35	0.36	0.37	0.39	0.37	0.39	0.31	0.32	0.31	0.32	0.32	0.35	0.32
54	54	54	50	50	50	50	57	57	57	57	54	54	54
0.28	0.37	0.33	0.30	0.27	0.36	0.32	0.31	0.28	0.37	0.33	0.30	0.27	0.36
0.47	0.53	0.47	0.52	0.46	0.52	0.46	0.53	0.47	0.53	0.47	0.52	0.46	0.52
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.35	0.34	0.35	0.36	0.38	0.36	0.38	0.30	0.31	0.30	0.31	0.31	0.34	0.31
54	54	54	51	51	51	51	58	58	58	58	54	54	54
0.28	0.38	0.34	0.31	0.28	0.37	0.33	0.31	0.28	0.38	0.34	0.31	0.28	0.37

20 46	20 47	20 47	21 50	21 50	21 51	21 51	22 46	22 46	22 47	22 47	23 50	23 50	23 51
AFG TI-AC 40 -	AFG TI-AC 40 -	AFG TI-AC 40 -	AFG TI-AC 40 -	AFG TI-AC 40 -	AFG TI-AC 40 -	AFG TI-AC 40 -	AFG TI-AC 40, Argon, SSB or DSB	AFG TI-AC 40, Argon, SSB or DSB	AFG TI-AC 40, Argon, SSB or DSB	AFG TI-AC 40, Argon, SSB or DSB	AFG TI-AC 40, Argon, 5mm	AFG TI-AC 40, Argon, 5mm	AFG TI-AC 40, Argon, 5mm Southern
SSB or DSB (<1" Grid)	SSB or DSB Southern (No Grids)	SSB or DSB Southern (<1" Grid)	5mm (No Grids)	5mm (<1" Grid)	5mm Southern (No Grids)	5mm Southern (<1" Grid)	(No Grids)	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)
0.49	0.54	0.49	0.53	0.48	0.53	0.48	0.54	0.49	0.54	0.49	0.53	0.48	0.53
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

20 46	20 47	20 47	21 50	21 50	21 51	21 51	22 46	22 46	22 47	22 47	23 50	23 50	23 51
AFG TI-AC 40 - SSB or DSB (<1" Grid)	AFG TI-AC 40 - SSB or DSB Southern (No Grids)	AFG TI-AC 40 - SSB or DSB Southern (<1" Grid)	AFG TI-AC 40 - 5mm (No Grids)	AFG TI-AC 40 - 5mm (<1" Grid)	AFG TI-AC 40 - 5mm Southern (No Grids)	AFG TI-AC 40 - 5mm Southern (<1" Grid)	AFG TI-AC 40, Argon, SSB or DSB (No Grids)	AFG TI-AC 40, Argon, SSB or DSB (<1" Grid)	AFG TI-AC 40, Argon, SSB or DSB (No Grids)	AFG TI-AC 40, Argon, SSB or DSB (<1" Grid)	AFG TI-AC 40, Argon, 5mm (No Grids)	AFG TI-AC 40, Argon, 5mm (<1" Grid)	AFG TI-AC 40, Argon, 5mm Southern (No Grids)
0.32	0.31	0.32	0.33	0.35	0.33	0.35	0.28	0.29	0.28	0.29	0.29	0.31	0.29
54	54	54	51	51	51	51	58	58	58	58	55	55	55
0.27	0.36	0.33	0.29	0.27	0.35	0.32	0.30	0.27	0.36	0.33	0.29	0.27	0.35
0.46	0.51	0.46	0.50	0.45	0.50	0.45	0.51	0.46	0.51	0.46	0.50	0.45	0.50
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.32	0.31	0.32	0.33	0.36	0.33	0.36	0.27	0.28	0.27	0.28	0.28	0.31	0.28
53	53	53	50	50	50	50	57	57	57	57	53	53	53
0.30	0.41	0.37	0.33	0.30	0.39	0.36	0.33	0.30	0.41	0.37	0.33	0.30	0.39
0.52	0.58	0.52	0.57	0.51	0.57	0.51	0.58	0.52	0.58	0.52	0.57	0.51	0.57
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.31	0.31	0.31	0.33	0.35	0.33	0.35	0.28	0.28	0.28	0.28	0.29	0.29	0.29
53	53	53	50	50	50	50	57	57	57	57	54	54	54
0.27	0.36	0.33	0.29	0.27	0.35	0.32	0.30	0.27	0.36	0.33	0.29	0.27	0.35
0.46	0.51	0.46	0.50	0.45	0.50	0.45	0.51	0.46	0.51	0.46	0.50	0.45	0.50
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
0.34	0.33	0.34	0.34	0.38	0.34	0.38	0.29	0.30	0.29	0.30	0.30	0.33	0.30
57	57	57	53	53	53	53	60	60	60	60	57	57	57
0.30	0.40	0.36	0.33	0.30	0.39	0.35	0.33	0.30	0.40	0.36	0.33	0.30	0.39
0.51	0.58	0.51	0.56	0.50	0.56	0.50	0.58	0.51	0.58	0.51	0.56	0.50	0.56
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

20 46	20 47	20 47	21 50	21 50	21 51	21 51	22 46	22 46	22 47	22 47	23 50	23 50	23 51
AFG TI-AC 40	AFG TI-AC 40	AFG TI-AC 40	AFG TI-AC 40	AFG TI-AC 40	AFG TI-AC 40	AFG TI-AC 40	AFG TI-AC 40,	AFG TI-AC 40,	AFG TI-AC 40,	AFG TI-AC 40,	AFG TI-AC 40,	AFG TI-AC 40,	AFG TI-AC 40,
-	-	-	-	-	-	-	Argon,	Argon,	Argon,	Argon,	Argon,	Argon,	Argon,
SSB or DSB	SSB or DSB	SSB or DSB	5mm	5mm	5mm	5mm	SSB or DSB	SSB or DSB	SSB or DSB	SSB or DSB	5mm	5mm	5mm
(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)	(<1" Grid)	(No Grids)
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

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51

AFG TI-AC 40,
Argon,
5mm
Southern
(<1" Grid)

	<u>Simulation Report</u>	<u>Expiration Date</u>	<u>Validation Report</u>	<u>Expiration Date</u>
0.34	54088.02-116-45	11/02/08	54103.02-201-46	01/04/09
54	54088.02-116-45	11/02/08	54103.02-201-46	01/04/09
0.34	54088.02-116-45	11/02/08	54103.02-201-46	01/04/09
0.48	54088.02-116-45	11/02/08	54103.02-201-46	01/04/09
-	54088.02-116-45	11/02/08	54103.02-201-46	01/04/09
-	54088.02-116-45	11/02/08	54103.02-201-46	01/04/09
-	54088.02-116-45	11/02/08	54103.02-201-46	01/04/09
-	54088.02-116-45	11/02/08	54103.02-201-46	01/04/09
0.34	54089.02-116-45	03/24/09	54106.02-201-46	03/22/09
55	54089.02-116-45	03/24/09	54106.02-201-46	03/22/09
0.34	54089.02-116-45	03/24/09	54106.02-201-46	03/22/09
0.49	54089.02-116-45	03/24/09	54106.02-201-46	03/22/09
-	54089.02-116-45	03/24/09	54106.02-201-46	03/22/09
-	54089.02-116-45	03/24/09	54106.02-201-46	03/22/09
-	54089.02-116-45	03/24/09	54106.02-201-46	03/22/09
-	54089.02-116-45	03/24/09	54106.02-201-46	03/22/09
0.34	54090.02-116-45	03/30/09	54107.02-201-46	03/25/09
56	54090.02-116-45	03/30/09	54107.02-201-46	03/25/09
0.34	54090.02-116-45	03/30/09	54107.02-201-46	03/25/09
0.48	54090.02-116-45	03/30/09	54107.02-201-46	03/25/09
-	54090.02-116-45	03/30/09	54107.02-201-46	03/25/09
-	54090.02-116-45	03/30/09	54107.02-201-46	03/25/09
-	54090.02-116-45	03/30/09	54107.02-201-46	03/25/09
-	54090.02-116-45	03/30/09	54107.02-201-46	03/25/09
0.34	54091.06-116-45	11/09/08	54108.02-201-46	11/24/08
55	54091.06-116-45	11/09/08	54108.02-201-46	11/24/08
0.33	54091.06-116-45	11/09/08	54108.02-201-46	11/24/08
0.48	54091.06-116-45	11/09/08	54108.02-201-46	11/24/08
-	54091.06-116-45	11/09/08	54108.02-201-46	11/24/08
-	54091.06-116-45	11/09/08	54108.02-201-46	11/24/08

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AFG TI-AC 40,
Argon,
5mm
Southern
(<1" Grid)

	Simulation Report	Expiration Date	Validation Report	Expiration Date
-	54091.06-116-45	11/09/08	54108.02-201-46	11/24/08
-	54091.06-116-45	11/09/08	54108.02-201-46	11/24/08
0.35	54088.02-116-45	11/02/08	54105.02-201-46	12/03/08
54	54088.02-116-45	11/02/08	54105.02-201-46	12/03/08
0.33	54088.02-116-45	11/02/08	54105.02-201-46	12/03/08
0.46	54088.02-116-45	11/02/08	54105.02-201-46	12/03/08
-	54088.02-116-45	11/02/08	54105.02-201-46	12/03/08
-	54088.02-116-45	11/02/08	54105.02-201-46	12/03/08
-	54088.02-116-45	11/02/08	54105.02-201-46	12/03/08
-	54088.02-116-45	11/02/08	54105.02-201-46	12/03/08
0.34	54087.02-116-45	01/19/09	54103.02-201-46	01/04/09
54	54087.02-116-45	01/19/09	54103.02-201-46	01/04/09
0.33	54087.02-116-45	01/19/09	54103.02-201-46	01/04/09
0.48	54087.02-116-45	01/19/09	54103.02-201-46	01/04/09
-	54087.02-116-45	01/19/09	54103.02-201-46	01/04/09
-	54087.02-116-45	01/19/09	54103.02-201-46	01/04/09
-	54087.02-116-45	01/19/09	54103.02-201-46	01/04/09
-	54087.02-116-45	01/19/09	54103.02-201-46	01/04/09
0.35	54087.02-116-45	01/19/09	54103.02-201-46	01/04/09
54	54087.02-116-45	01/19/09	54103.02-201-46	01/04/09
0.32	54087.02-116-45	01/19/09	54103.02-201-46	01/04/09
0.46	54087.02-116-45	01/19/09	54103.02-201-46	01/04/09
-	54087.02-116-45	01/19/09	54103.02-201-46	01/04/09
-	54087.02-116-45	01/19/09	54103.02-201-46	01/04/09
-	54087.02-116-45	01/19/09	54103.02-201-46	01/04/09
-	54087.02-116-45	01/19/09	54103.02-201-46	01/04/09
0.34	54091.06-116-45	11/09/08	54108.02-201-46	11/24/08
54	54091.06-116-45	11/09/08	54108.02-201-46	11/24/08
0.33	54091.06-116-45	11/09/08	54108.02-201-46	11/24/08

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51

AFG TI-AC 40,
Argon,
5mm
Southern
(<1" Grid)

	Simulation Report	Expiration Date	Validation Report	Expiration Date
0.48	54091.06-116-45	11/09/08	54108.02-201-46	11/24/08
-	54091.06-116-45	11/09/08	54108.02-201-46	11/24/08
-	54091.06-116-45	11/09/08	54108.02-201-46	11/24/08
-	54091.06-116-45	11/09/08	54108.02-201-46	11/24/08
-	54091.06-116-45	11/09/08	54108.02-201-46	11/24/08

23
51

AFG TI-AC 40,
Argon,
5mm
Southern
(<1" Grid)

	<u>Simulation Report</u>	<u>Expiration Date</u>	<u>Validation Report</u>	<u>Expiration Date</u>
0.31	54092.02-116-45	04/21/09	54110.02-201-46	04/08/09
55	54092.02-116-45	04/21/09	54110.02-201-46	04/08/09
0.32	54092.02-116-45	04/21/09	54110.02-201-46	04/08/09
0.45	54092.02-116-45	04/21/09	54110.02-201-46	04/08/09
-	54092.02-116-45	04/21/09	54110.02-201-46	04/08/09
-	54092.02-116-45	04/21/09	54110.02-201-46	04/08/09
-	54092.02-116-45	04/21/09	54110.02-201-46	04/08/09
-	54092.02-116-45	04/21/09	54110.02-201-46	04/08/09
0.31	54092.02-116-45	04/21/09	54110.02-201-46	04/08/09
53	54092.02-116-45	04/21/09	54110.02-201-46	04/08/09
0.36	54092.02-116-45	04/21/09	54110.02-201-46	04/08/09
0.51	54092.02-116-45	04/21/09	54110.02-201-46	04/08/09
-	54092.02-116-45	04/21/09	54110.02-201-46	04/08/09
-	54092.02-116-45	04/21/09	54110.02-201-46	04/08/09
-	54092.02-116-45	04/21/09	54110.02-201-46	04/08/09
-	54092.02-116-45	04/21/09	54110.02-201-46	04/08/09
0.29	54092.02-116-45	04/21/09	54110.02-201-46	04/08/09
54	54092.02-116-45	04/21/09	54110.02-201-46	04/08/09
0.32	54092.02-116-45	04/21/09	54110.02-201-46	04/08/09
0.45	54092.02-116-45	04/21/09	54110.02-201-46	04/08/09
-	54092.02-116-45	04/21/09	54110.02-201-46	04/08/09
-	54092.02-116-45	04/21/09	54110.02-201-46	04/08/09
-	54092.02-116-45	04/21/09	54110.02-201-46	04/08/09
-	54092.02-116-45	04/21/09	54110.02-201-46	04/08/09
0.33	54086.02-116-45	10/21/08	54102.02-201-46	12/19/08
57	54086.02-116-45	10/21/08	54102.02-201-46	12/19/08
0.35	54086.02-116-45	10/21/08	54102.02-201-46	12/19/08
0.50	54086.02-116-45	10/21/08	54102.02-201-46	12/19/08
-	54086.02-116-45	10/21/08	54102.02-201-46	12/19/08
-	54086.02-116-45	10/21/08	54102.02-201-46	12/19/08
-	54086.02-116-45	10/21/08	54102.02-201-46	12/19/08
-	54086.02-116-45	10/21/08	54102.02-201-46	12/19/08

23
51

AFG TI-AC 40,
Argon,
5mm
Southern
(<1" Grid)

	<u>Simulation Report</u>	<u>Expiration Date</u>	<u>Validation Report</u>	<u>Expiration Date</u>
-	01-40846.10	03/13/06	01-47134.06	10/31/07
-	01-40846.10	03/13/06	01-47134.06	10/31/07
-	01-40846.10	03/13/06	01-47134.06	10/31/07
-	01-40846.10	03/13/06	01-47134.06	10/31/07
-	01-40846.10	03/13/06	01-47134.06	10/31/07
-	01-40846.10	03/13/06	01-47134.06	10/31/07
-	01-40846.10	03/13/06	01-47134.06	10/31/07