



1600 Series Thermal Chart - Energy Star 7.0

Updated 11/14/2023

Glass Package	IG Thick	Interior Glass	Spacer	Center Glass	Spacer	Exterior Glass	Sound Control	No Grids			Flat or Sculpted Grids				
								STC	U-Value	SHGC	VL	Energy Star 7.0	U-Value	SHGC	VL
<b>1650 Double Hung</b>															
DSB, LOE CG70, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB CG70	27	0.28	0.26	0.50		0.28	0.23	0.45	SC, S
DSB, LOE CG55, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB CG55	27	0.28	0.21	0.41	SC, S	0.28	0.19	0.36	SC, S
DSB, LOE 340, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB 340	27	0.28	0.14	0.29	SC, S	0.28	0.12	0.25	SC, S
DSB, LOE 340, Argon	3/4"	DSB Clear	SSBox	N/A	N/A	DSB 340	N/A	0.28	0.14	0.29	SC, S	0.28	0.12	0.25	SC, S
Foam Enhanced, DSB, LOE CG70, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB CG70	N/A	0.27	0.26	0.50		0.27	0.23	0.45	SC, S
Foam Enhanced, DSB, LOE CG55, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB CG55	N/A	0.27	0.21	0.41	SC, S	0.27	0.19	0.36	SC, S
Triple Pane, SSB, LOE CG70, Argon	7/8"	SSB CG70	Duralite P2-S	SSB Clear	Duralite P2-S	SSB CG70	N/A	0.22	0.22	0.39	N, NC, SC, S	0.23	0.20	0.35	NC, SC, S
Foam Enhanced, Triple Pane, SSB, LOE CG70, Argon	7/8"	SSB CG70	Duralite P2-S	SSB Clear	Duralite P2-S	SSB CG70	N/A	0.22	0.22	0.39	N, NC, SC, S	0.22	0.20	0.35	N, NC, SC, S
Foam Enhanced, Triple Pane, SSB, LOE 270, i89, Argon	7/8"	SSB i89	Duralite P2-S	SSB 270	Duralite P2-S	SSB 270	N/A	0.20	0.21	0.40	N, NC, SC, S	0.21	0.19	0.35	N, NC, SC, S
Blinds Between Glass - RLT, DSB, LOE 270, Air	7/8"	DSB Clear	Intercept	N/A	N/A	DSB 270	N/A	0.36	0.25	0.47		N/A	N/A	N/A	
Foam Enhanced, Blinds Between Glass - RLT, DSB, LOE 270, Air	7/8"	DSB Clear	Intercept	N/A	N/A	DSB 270	N/A	0.36	0.25	0.47		N/A	N/A	N/A	
<b>1650 Picture Window</b>															
DSB, LOE CG70, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB CG70	28	0.27	0.28	0.54		0.27	0.25	0.48	
DSB, LOE CG55, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB CG55	28	0.27	0.22	0.44	SC, S	0.27	0.20	0.39	SC, S
DSB, LOE 340, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB 340	28	0.27	0.15	0.31	SC, S	0.27	0.13	0.27	SC, S
DSB, LOE 340, Argon	3/4"	DSB Clear	SSBox	N/A	N/A	DSB 340	N/A	0.28	0.15	0.31	SC, S	0.28	0.13	0.27	SC, S
Foam Enhanced, DSB, LOE CG70, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB CG70	N/A	0.26	0.28	0.54		0.26	0.25	0.48	
Foam Enhanced, DSB, LOE CG55, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB CG55	N/A	0.27	0.22	0.44	SC, S	0.27	0.20	0.39	SC, S
Triple Pane, SSB, LOE CG70, Argon	7/8"	SSB CG70	Duralite P2-S	SSB Clear	Duralite P2-S	SSB CG70	N/A	0.21	0.23	0.42	N, NC, SC, S	0.22	0.21	0.37	N, NC, SC, S
Foam Enhanced, Triple Pane, SSB, LOE CG70, Argon	7/8"	SSB CG70	Duralite P2-S	SSB Clear	Duralite P2-S	SSB CG70	N/A	0.21	0.23	0.42	N, NC, SC, S	0.21	0.21	0.37	N, NC, SC, S
Foam Enhanced, Triple Pane, SSB, LOE 270, i89, Argon	7/8"	SSB i89	Duralite P2-S	SSB 270	Duralite P2-S	SSB 270	N/A	0.19	0.23	0.43	N, NC, SC, S	0.19	0.20	0.38	N, NC, SC, S
Blinds Between Glass - RLT, DSB, LOE 270, Air	7/8"	DSB Clear	Intercept	N/A	N/A	DSB 270	N/A	0.34	0.28	0.53		N/A	N/A	N/A	
Foam Enhanced, Blinds Between Glass - RLT, DSB, LOE 270, Air	7/8"	DSB Clear	Intercept	N/A	N/A	DSB 270	N/A	0.33	0.28	0.53		N/A	N/A	N/A	
<b>1620 Single Hung</b>															
DSB, LOE CG70, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB CG70	29	0.29	0.30	0.55		0.29	0.27	0.49	
DSB, LOE CG55, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB CG55	29	0.29	0.22	0.43	S	0.29	0.20	0.38	S
DSB, LOE 340, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB 340	29	0.29	0.14	0.30	S	0.29	0.13	0.27	S
DSB, LOE 340, Argon	3/4"	DSB Clear	SSBox	N/A	N/A	DSB 340	N/A	0.29	0.14	0.30	S	0.29	0.13	0.27	S
Impact, LOE 366, Argon	7/8"	SS 090PVB SS Clear	SSBox	N/A	N/A	DSB 366	32	0.29	0.22	0.50	S	0.29	0.20	0.44	S
Impact, LOE 340, Argon	7/8"	SS 090PVB SS Clear	SSBox	N/A	N/A	DSB 340	32	0.29	0.14	0.30	S	0.29	0.13	0.27	S
<b>1620 Picture Window</b>															
DSB, LOE CG70, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB CG70	N/A	0.27	0.32	0.58		0.27	0.29	0.52	
DSB, LOE CG55, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB CG55	N/A	0.26	0.23	0.46	SC, S	0.26	0.21	0.41	SC, S
DSB, LOE 340, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB 340	N/A	0.26	0.15	0.32	SC, S	0.26	0.14	0.29	SC, S
DSB, LOE 340, Argon	3/4"	DSB Clear	SSBox	N/A	N/A	DSB 340	N/A	0.26	0.15	0.32	SC, S	0.26	0.14	0.29	SC, S
Impact, LOE 366, Argon	7/8"	SS 090PVB SS Clear	SSBox	N/A	N/A	DSB 366	N/A	0.26	0.23	0.53	SC, S	0.26	0.21	0.48	SC, S
Impact, LOE 340, Argon	7/8"	SS 090PVB SS Clear	SSBox	N/A	N/A	DSB 340	N/A	0.26	0.15	0.32	SC, S	0.26	0.14	0.29	SC, S
<b>1665 Awning</b>															
DSB, LOE CG70, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB CG70	28	0.25	0.24	0.44	NC	0.25	0.22	0.39	NC, SC, S
DSB, LOE CG55, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB CG55	28	0.25	0.18	0.35	NC, SC, S	0.25	0.16	0.31	NC, SC, S
DSB, LOE 340, Argon	3/4"	DSB Clear	SSBox	N/A	N/A	DSB 340	N/A	0.25	0.12	0.24	NC, SC, S	0.25	0.11	0.22	NC, SC, S
Triple Pane, DSB, LOE CG70, Argon	1 1/8"	DSB CG70	Duralite P2-S	DSB Clear	Duralite P2-S	DSB CG70	29	0.19	0.21	0.34	N, NC, SC, S	0.19	0.19	0.31	N, NC, SC, S



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							Sound Control	No Grids				Flat or Sculpted Grids			
<b>1675 Casement</b>															
DSB, LOE CG70, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB CG70	28	0.26	0.25	0.44		0.26	0.22	0.39	SC, S
DSB, LOE CG55, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB CG55	28	0.26	0.18	0.35	SC, S	0.26	0.16	0.31	SC, S
DSB, LOE 340, Argon	3/4"	DSB Clear	SSBox	N/A	N/A	DSB 340	N/A	0.26	0.12	0.24	SC, S	0.26	0.11	0.22	SC, S
Triple Pane, DSB, LOE CG70, Argon	1 1/8"	DSB CG70	Duralite P2-S	DSB Clear	Duralite P2-S	DSB CG70	29	0.19	0.21	0.34	N, NC, SC, S	0.19	0.19	0.31	N, NC, SC, S
Impact LOE 366, Argon	1"	DS 090PVB DS Clear	SSBox	N/A	N/A	DSB 366	N/A	0.25	0.17	0.40	NC, SC, S	0.25	0.16	0.36	NC, SC, S
Impact LOE 340, Argon	1"	DS 090PVB DS Clear	SSBox	N/A	N/A	DSB 340	N/A	0.26	0.12	0.24	SC, S	0.26	0.11	0.21	SC, S
Blinds Between Glass - RLT, DSB, LOE 270, Air	1"	DSB Clear	Intercept	N/A	N/A	DSB 270	N/A	0.32	0.20	0.35	S	N/A	N/A	N/A	
<b>1675 Direct Set Fixed Casement</b>															
DSB, LOE CG70, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB CG70	29	0.25	0.29	0.53	NC	0.25	0.26	0.47	NC
DSB, LOE CG55, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB CG55	29	0.25	0.21	0.42	NC, SC, S	0.25	0.19	0.37	NC, SC, S
DSB, LOE 340, Argon	3/4"	DSB Clear	SSBox	N/A	N/A	DSB 340	N/A	0.25	0.14	0.29	NC, SC, S	0.25	0.13	0.26	NC, SC, S
Triple Pane, DSB, LOE CG70, Argon	1 1/8"	DSB CG70	Duralite P2-S	DSB Clear	Duralite P2-S	DSB CG70	N/A	0.17	0.25	0.41	N, NC	0.18	0.23	0.37	N, NC, SC, S
Impact LOE 366, Argon	1"	DS 090PVB DS Clear	SSBox	N/A	N/A	3/16 366	N/A	0.24	0.21	0.47	NC, SC, S	0.24	0.19	0.42	NC, SC, S
Impact LOE 340, Argon	1"	DS 090PVB DS Clear	SSBox	N/A	N/A	3/16 340	N/A	0.24	0.14	0.28	NC, SC, S	0.24	0.13	0.25	NC, SC, S
Blinds Between Glass - RLT, DSB, LOE 270, Air	1"	DSB Clear	Intercept	N/A	N/A	DSB 270	N/A	0.31	0.25	0.47		N/A	N/A	N/A	
<b>1630 STD Horizontal Slider</b>															
DSB, LOE CG70, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB CG70	28	0.28	0.30	0.54		0.28	0.27	0.48	
DSB, LOE CG55, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB CG55	28	0.28	0.22	0.43	SC, S	0.28	0.20	0.38	SC, S
DSB, LOE 340, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB 340	28	0.28	0.14	0.30	SC, S	0.28	0.13	0.27	SC, S
DSB, LOE 340, Argon	3/4"	DSB Clear	SSBox	N/A	N/A	DSB 340	N/A	0.29	0.14	0.30	S	0.29	0.13	0.27	S
Impact LOE 366, Argon	7/8"	DS 090PVB DS Clear	SSBox	N/A	N/A	DSB 366	N/A	0.28	0.21	0.49	SC, S	0.30	0.19	0.43	S
Impact LOE 340, Argon	7/8"	DS 090PVB DS Clear	SSBox	N/A	N/A	DSB 340	N/A	0.29	0.14	0.29	S	0.30	0.13	0.26	S
<b>1685 Double Slider</b>															
DSB, LOE CG70, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB CG70	29	0.27	0.26	0.50		0.27	0.23	0.45	SC, S
DSB, LOE CG55, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB CG55	29	0.28	0.21	0.41	SC, S	0.28	0.19	0.36	SC, S
DSB, LOE 340, Argon	3/4"	DSB Clear	Duralite P2-S	N/A	N/A	DSB 340	29	0.28	0.13	0.28	SC, S	0.28	0.12	0.25	SC, S
DSB, LOE 340, Argon	3/4"	DSB Clear	SSBox	N/A	N/A	DSB 340	N/A	0.28	0.13	0.28	SC, S	0.28	0.12	0.25	SC, S
Triple Pane, SSB, LOE CG70, Argon	7/8"	SSB CG70	Duralite P2-S	SSB Clear	Duralite P2-S	SSB CG70	28	0.22	0.22	0.39	N, NC, SC, S	0.23	0.20	0.35	NC, SC, S
Triple Pane, SSB, LOE 270, I89, Argon	7/8"	SSB 270	Duralite P2-S	SSB Clear	Duralite P2-S	SSB 270	28	0.20	0.21	0.39	N, NC, SC, S	0.21	0.19	0.35	N, NC, SC, S
<b>1615 Sliding Glass Patio Door</b>															
DSB, LOE CG70, Argon	7/8"	DSB Clear	Duralite P2-S	N/A	N/A	DSB CG70	29	0.28	0.25	0.49		0.28	0.22	0.43	SC, S
DSB, LOE CG55, Argon	7/8"	DSB Clear	Duralite P2-S	N/A	N/A	DSB CG55	29	0.28	0.20	0.40	SC, S	0.28	0.18	0.35	SC, S
DSB, LOE 340, Argon	7/8"	DSB Clear	SSBox	N/A	N/A	DSB 340	N/A	0.29	0.13	0.28	S	0.29	0.12	0.24	S
Triple Pane, DSB, LOE CG70, Argon	7/8"	DSB CG70	Duralite P2-S	DSB Clear	Duralite P2-S	DSB CG70	N/A	0.24	0.21	0.38	NC, SC, S	0.26	0.19	0.33	SC, S
Impact LOE 366, Argon	7/8"	5/32 090PVB 5/32 Clear	SSBox	N/A	N/A	5/32 366	24	0.30	0.20	0.45	S	0.33	0.18	0.39	
Impact LOE 340, Argon	7/8"	5/32 090PVB 5/32 Clear	SSBox	N/A	N/A	5/32 340	24	0.31	0.14	0.27	S	0.33	0.12	0.23	
Blinds Between Glass - RLT, DSB, LOE 270, Air	7/8"	DSB Clear	Intercept	N/A	N/A	DSB 270	N/A	0.35	0.23	0.43		N/A	N/A	N/A	
Blinds Between Glass - DP Upgrade - RLT, DSB, LOE 270, Air	7/8"	DSB Clear	Intercept	N/A	N/A	DSB 270	N/A	0.37	0.23	0.43		N/A	N/A	N/A	