

Series/Model	Glass Type	U-Value	SHGC	Qualified Energy Star Climate Zones			
				Northern	North-Central	South-Central	Southern
30/230 Single Hung	Laminated Clear Glass No Grid	0.47	0.60				
	Laminated Low-E Glass No Grid	0.34	0.30				
	Laminated Low-E/Argon Glass No Grid	0.30	0.30	MEETS	MEETS		
	Laminated Ultra Low-E/Argon No Grid	0.29	0.22	MEETS	MEETS	MEETS	MEETS
	Laminated Turtle Code Low-E No Grid	0.35	0.21				MEETS
	Laminated Turtle Code Low-E/Argon No Grid	0.31	0.21				MEETS
	Laminated Clear Glass with Grid	0.47	0.54				
	Laminated Low-E Glass with Grid	0.35	0.27				
	Laminated Low-E/Argon with Grid	0.31	0.27				
	Laminated Ultra Low-E/Argon Glass with Grid	0.31	0.20				MEETS
	Laminated Turtle Code Low-E with Grid	0.36	0.19				MEETS
	Laminated Turtle Code Low-E/Argon with Grid	0.32	0.19				MEETS
	Laminated Clear Glass with 1-1/8" SDL	0.47	0.48				
	Laminated Low-E Glass with 1-1/8" SDL	0.35	0.24				MEETS
	Laminated Low-E/Argon with 1-1/8" SDL	0.31	0.24				MEETS
	30/230 Horizontal Slider	Laminated Ultra Low-E/Argon Glass with 1-1/8" SDL	0.30	0.18	MEETS	MEETS	MEETS
Laminated Turtle Code Low-E with 1-1/8" SDL		0.36	0.17				MEETS
Laminated Turtle Code Low-E/Argon with 1-1/8" SDL		0.31	0.17				MEETS
Laminated Clear Glass No Grid		0.47	0.59				
Laminated Low-E Glass No Grid		0.34	0.30				
Laminated Low-E/Argon No Grid		0.30	0.30	MEETS	MEETS		
Laminated Ultra Low-E/Argon No Grid		0.29	0.22	MEETS	MEETS	MEETS	MEETS
Laminated Turtle Code Low-E No Grid		0.34	0.21				MEETS
Laminated Turtle Code Low-E/Argon No Grid		0.30	0.20	MEETS	MEETS	MEETS	MEETS
Laminated Clear Glass with Grid		0.47	0.53				
Laminated Low-E Glass with Grid		0.35	0.27				
Laminated Low-E/Argon with Grid		0.31	0.27				
Laminated Ultra Low-E/Argon Glass with Grid		0.30	0.20	MEETS	MEETS	MEETS	MEETS
Laminated Turtle Code Low-E with Grid		0.36	0.19				MEETS
Laminated Turtle Code Low-E/Argon with Grid		0.31	0.19				MEETS
Laminated Clear Glass with 1-1/8" SDL		0.47	0.47				
Laminated Low-E Glass with 1-1/8" SDL	0.35	0.24				MEETS	
Laminated Low-E/Argon with 1-1/8" SDL	0.31	0.24				MEETS	
Laminated Ultra Low-E/Argon Glass with 1-1/8" SDL	0.30	0.18	MEETS	MEETS	MEETS	MEETS	
Laminated Turtle Code Low-E with 1-1/8" SDL	0.35	0.17				MEETS	
Laminated Turtle Code Low-E/Argon with 1-1/8" SDL	0.31	0.17				MEETS	
30/230 Picture Window Special Shapes	Laminated Clear Glass No Grid	0.45	0.65				
	Laminated Low-E Glass No Grid	0.30	0.32	MEETS	MEETS		
	Laminated Low-E/Argon Glass No Grid	0.27	0.32	MEETS	MEETS		
	Laminated Ultra Low-E/Argon No Grid	0.26	0.24	MEETS	MEETS	MEETS	MEETS
	Laminated Turtle Code Low-E Glass No Grid	0.31	0.23				MEETS
	Laminated Turtle Code Low-E/Argon No Grid	0.27	0.22	MEETS	MEETS	MEETS	MEETS
	Laminated Clear Glass with Grid	0.45	0.58				
	Laminated Low-E Glass with Grid	0.30	0.29	MEETS	MEETS		
	Laminated Low-E/Argon with Grid	0.27	0.29	MEETS	MEETS		
	Laminated Ultra Low-E/Argon Glass with Grid	0.26	0.22	MEETS	MEETS	MEETS	MEETS
	Laminated Turtle Code Low-E with Grid	0.31	0.21				MEETS
	Laminated Turtle Code Low-E/Argon with Grid	0.27	0.20	MEETS	MEETS	MEETS	MEETS
	Laminated Clear Glass with 1-1/8" SDL	0.45	0.52				
	Laminated Low-E Glass with 1-1/8" SDL	0.30	0.27	MEETS	MEETS		
	Laminated Low-E/Argon with 1-1/8" SDL	0.27	0.26	MEETS	MEETS		
	Laminated Ultra Low-E/Argon Glass with 1-1/8" SDL	0.26	0.20	MEETS	MEETS	MEETS	MEETS
Laminated Turtle Code Low-E with 1-1/8" SDL	0.31	0.19				MEETS	
Laminated Turtle Code Low-E/Argon with 1-1/8" SDL	0.27	0.18	MEETS	MEETS	MEETS	MEETS	
35 Single Hung	Laminated Clear Glass No Grid	0.46	0.58				
	Laminated Low-E Glass No Grid	0.33	0.29				
	Laminated Low-E/Argon Glass No Grid	0.29	0.29	MEETS	MEETS		
	Laminated Ultra Low-E/Argon No Grid	0.29	0.22	MEETS	MEETS	MEETS	MEETS
	Laminated Turtle Code Low-E No Grid	0.34	0.21				MEETS
	Laminated Turtle Code Low-E/Argon No Grid	0.30	0.20	MEETS	MEETS	MEETS	MEETS
	Laminated Clear Glass with Grid	0.46	0.52				
	Laminated Low-E Glass with Grid	0.35	0.27				
	Laminated Low-E/Argon with Grid	0.30	0.26	MEETS	MEETS		
	Laminated Ultra Low-E/Argon Glass with Grid	0.30	0.20	MEETS	MEETS	MEETS	MEETS
	Laminated Turtle Code Low-E with Grid	0.35	0.19				MEETS
	Laminated Turtle Code Low-E/Argon with Grid	0.31	0.18				MEETS
	Laminated Clear Glass with SDL	0.46	0.47				
	Laminated Low-E Glass with SDL	0.35	0.24				MEETS
	Laminated Low-E/Argon with SDL	0.30	0.24	MEETS	MEETS	MEETS	MEETS
	Laminated Ultra Low-E/Argon Glass with SDL	0.30	0.18	MEETS	MEETS	MEETS	MEETS
Laminated Turtle Code Low-E with SDL	0.34	0.17				MEETS	
Laminated Turtle Code Low-E/Argon with SDL	0.31	0.17				MEETS	
35 Horizontal Sliders	Laminated Clear Glass No Grid	0.46	0.58				
	Laminated Low-E Glass No Grid	0.33	0.29				
	Laminated Low-E/Argon No Grid	0.29	0.29	MEETS	MEETS		
	Laminated Ultra Low-E/Argon No Grid	0.29	0.22	MEETS	MEETS	MEETS	MEETS
	Laminated Turtle Code Low-E No Grid	0.34	0.20				MEETS
	Laminated Turtle Code Low-E/Argon No Grid	0.30	0.20	MEETS	MEETS	MEETS	MEETS
	Laminated Clear Glass with Grid	0.46	0.52				
	Laminated Low-E Glass with Grid	0.35	0.26				
	Laminated Low-E/Argon with Grid	0.30	0.26	MEETS	MEETS		
	Laminated Ultra Low-E/Argon Glass with Grid	0.30	0.20	MEETS	MEETS	MEETS	MEETS
	Laminated Turtle Code Low-E with Grid	0.35	0.19				MEETS
	Laminated Turtle Code Low-E/Argon with Grid	0.31	0.18				MEETS
	Laminated Clear Glass with SDL	0.46	0.46				
	Laminated Low-E Glass with SDL	0.35	0.24				MEETS
	Laminated Low-E/Argon with SDL	0.30	0.23	MEETS	MEETS	MEETS	MEETS
	Laminated Ultra Low-E/Argon Glass with SDL	0.30	0.18	MEETS	MEETS	MEETS	MEETS
Laminated Turtle Code Low-E with SDL	0.35	0.17				MEETS	

	Laminated Turtle Code Low-E/Argon with SDL	0.31	0.16					MEETS	
35 Picture Window Special Shapes	Laminated Clear Glass No Grid	0.46	0.63						
	Laminated Low-E Glass No Grid	0.33	0.32						
	Laminated Low-E/Argon Glass No Grid	0.28	0.31	MEETS	MEETS				
	Laminated Ultra Low-E/Argon No Grid	0.28	0.24	MEETS	MEETS	MEETS	MEETS		
	Laminated Turtle Code Low-E Glass No Grid	0.33	0.22					MEETS	
	Laminated Turtle Code Low-E/Argon No Grid	0.29	0.22	MEETS	MEETS	MEETS	MEETS		
	Laminated Clear Glass with Grid	0.46	0.57						
	Laminated Low-E Glass with Grid	0.35	0.29						
	Laminated Low-E/Argon with Grid	0.30	0.28	MEETS	MEETS				
	Laminated Ultra Low-E/Argon Glass with Grid	0.30	0.21	MEETS	MEETS	MEETS	MEETS		
	Laminated Turtle Code Low-E with Grid	0.35	0.20					MEETS	
	Laminated Turtle Code Low-E/Argon with Grid	0.31	0.20					MEETS	
	Laminated Clear Glass with SDL	0.46	0.51						
	Laminated Low-E Glass with SDL	0.35	0.26						
	Laminated Low-E/Argon with SDL	0.30	0.26	MEETS	MEETS				
	Laminated Ultra Low-E/Argon Glass with SDL	0.30	0.19	MEETS	MEETS	MEETS	MEETS		
	Laminated Turtle Code Low-E with SDL	0.35	0.18					MEETS	
	Laminated Turtle Code Low-E/Argon with SDL	0.31	0.18					MEETS	
	65 Double Hung	Laminated Clear Glass No Grid	0.44	0.54					
		Laminated Low-E Glass No Grid	0.33	0.57					
Laminated Low-E/Argon Glass No Grid		0.30	0.27	MEETS	MEETS				
Laminated Ultra Low-E/Argon No Grid		0.29	0.20	MEETS	MEETS	MEETS	MEETS		
Laminated Turtle Code Low-E No Grid		0.33	0.19					MEETS	
Laminated Turtle Code Low-E/Argon No Grid		0.30	0.18	MEETS	MEETS	MEETS	MEETS		
Laminated Clear Glass with Grid		0.44	0.48						
Laminated Low-E Glass with Grid		0.33	0.24					MEETS	
Laminated Low-E/Argon with Grid		0.30	0.24	MEETS	MEETS	MEETS	MEETS		
Laminated Ultra Low-E/Argon Glass with Grid		0.29	0.18	MEETS	MEETS	MEETS	MEETS		
Laminated Turtle Code Low-E with Grid		0.33	0.17					MEETS	
Laminated Turtle Code Low-E/Argon with Grid		0.30	0.16	MEETS	MEETS	MEETS	MEETS		
Laminated Clear Glass with 1-1/8" SDL		0.44	0.43						
Laminated Low-E Glass with 1-1/8" SDL		0.33	0.22					MEETS	
Laminated Low-E/Argon with 1-1/8" SDL		0.30	0.21	MEETS	MEETS	MEETS	MEETS		
Laminated Ultra Low-E/Argon Glass with 1-1/8" SDL		0.29	0.16	MEETS	MEETS	MEETS	MEETS		
Laminated Turtle Code Low-E with 1-1/8" SDL		0.33	0.15					MEETS	
Laminated Turtle Code Low-E/Argon with 1-1/8" SDL		0.30	0.15	MEETS	MEETS	MEETS	MEETS		
65 Horizontal Sliders		Laminated Clear Glass No Grid	0.44	0.55					
		Laminated Low-E Glass No Grid	0.32	0.27					
	Laminated Low-E/Argon No Grid	0.29	0.27	MEETS	MEETS				
	Laminated Ultra Low-E/Argon No Grid	0.29	0.20	MEETS	MEETS	MEETS	MEETS		
	Laminated Turtle Code Low-E No Grid	0.33	0.19					MEETS	
	Laminated Turtle Code Low-E/Argon No Grid	0.30	0.18	MEETS	MEETS	MEETS	MEETS		
	Laminated Clear Glass with Grid	0.44	0.48						
	Laminated Low-E Glass with Grid	0.33	0.24					MEETS	
	Laminated Low-E/Argon with Grid	0.30	0.24	MEETS	MEETS	MEETS	MEETS		
	Laminated Ultra Low-E/Argon Glass with Grid	0.29	0.18	MEETS	MEETS	MEETS	MEETS		
	Laminated Turtle Code Low-E with Grid	0.33	0.17					MEETS	
	Laminated Turtle Code Low-E/Argon with Grid	0.30	0.16	MEETS	MEETS	MEETS	MEETS		
	Laminated Clear Glass with 1-1/8" SDL	0.44	0.43						
	Laminated Low-E Glass with 1-1/8" SDL	0.32	0.22					MEETS	
	Laminated Low-E/Argon with 1-1/8" SDL	0.29	0.22	MEETS	MEETS	MEETS	MEETS		
	Laminated Ultra Low-E/Argon Glass with 1-1/8" SDL	0.29	0.16	MEETS	MEETS	MEETS	MEETS		
	Laminated Turtle Code Low-E with 1-1/8" SDL	0.33	0.15					MEETS	
	Laminated Turtle Code Low-E/Argon with 1-1/8" SDL	0.30	0.15	MEETS	MEETS	MEETS	MEETS		
	65 Picture Window Special Shapes	Laminated Clear Glass No Grid	0.43	0.60					
		Laminated Low-E Glass No Grid	0.30	0.30	MEETS	MEETS			
Laminated Low-E/Argon Glass No Grid		0.27	0.30	MEETS	MEETS				
Laminated Ultra Low-E/Argon No Grid		0.26	0.22	MEETS	MEETS	MEETS	MEETS		
Laminated Turtle Code Low-E Glass No Grid		0.31	0.27						
Laminated Turtle Code Low-E/Argon No Grid		0.27	0.20	MEETS	MEETS	MEETS	MEETS		
Laminated Clear Glass with Grid		0.43	0.54						
Laminated Low-E Glass with Grid		0.30	0.27	MEETS	MEETS				
Laminated Low-E/Argon with Grid		0.27	0.27	MEETS	MEETS				
Laminated Ultra Low-E/Argon Glass with Grid		0.26	0.20	MEETS	MEETS	MEETS	MEETS		
Laminated Turtle Code Low-E with Grid		0.31	0.19					MEETS	
Laminated Turtle Code Low-E/Argon with Grid		0.27	0.18	MEETS	MEETS	MEETS	MEETS		
Laminated Clear Glass with 1-1/8" SDL		0.43	0.48						
Laminated Low-E Glass with 1-1/8" SDL		0.30	0.24	MEETS	MEETS	MEETS	MEETS		
Laminated Low-E/Argon with 1-1/8" SDL		0.27	0.24	MEETS	MEETS	MEETS	MEETS		
Laminated Ultra Low-E/Argon Glass with 1-1/8" SDL		0.26	0.18	MEETS	MEETS	MEETS	MEETS		
Laminated Turtle Code Low-E with 1-1/8" SDL		0.31	0.17					MEETS	
Laminated Turtle Code Low-E/Argon with 1-1/8" SDL		0.27	0.17	MEETS	MEETS	MEETS	MEETS		
70/270 Casement		Laminated Clear Glass No Grid	0.43	0.50					
		Laminated Low-E Glass No Grid	0.33	0.25					MEETS
	Laminated Low-E/Argon Glass No Grid	0.29	0.25	MEETS	MEETS	MEETS	MEETS		
	Laminated Ultra Low-E/Argon No Grid	0.29	0.19	MEETS	MEETS	MEETS	MEETS		
	Laminated Turtle Code Low-E No Grid	0.34	0.18					MEETS	
	Laminated Turtle Code Low-E/Argon No Grid	0.30	0.18	MEETS	MEETS	MEETS	MEETS		
	Laminated Clear Glass with Grid	0.44	0.45						
	Laminated Low-E Glass with Grid	0.35	0.23					MEETS	
	Laminated Low-E/Argon with Grid	0.31	0.23					MEETS	
	Laminated Ultra Low-E/Argon Glass with Grid	0.30	0.18	MEETS	MEETS	MEETS	MEETS		
	Laminated Turtle Code Low-E with Grid	0.35	0.17					MEETS	
	Laminated Turtle Code Low-E/Argon with Grid	0.31	0.16					MEETS	
	Laminated Clear Glass with 1-1/8" SDL	0.44	0.41						
	Laminated Low-E Glass with 1-1/8" SDL	0.35	0.21					MEETS	
	Laminated Low-E/Argon with 1-1/8" SDL	0.31	0.21					MEETS	
	Laminated Ultra Low-E/Argon Glass with 1-1/8" SDL	0.30	0.16	MEETS	MEETS	MEETS	MEETS		
	Laminated Turtle Code Low-E with 1-1/8" SDL	0.35	0.15					MEETS	
	Laminated Turtle Code Low-E/Argon with 1-1/8" SDL	0.31	0.15					MEETS	

70/270 Picture Window Special Shapes	Laminated Clear Glass No Grid	0.47	0.63				
	Laminated Low-E Glass No Grid	0.35	0.32				
	Laminated Low-E/Argon Glass No Grid	0.30	0.32	MEETS	MEETS		
	Laminated Ultra Low-E/Argon No Grid	0.29	0.24	MEETS	MEETS	MEETS	MEETS
	Laminated Turtle Code Low-E Glass No Grid	0.35	0.23				MEETS
	Laminated Turtle Code Low-E/Argon No Grid	0.30	0.22	MEETS	MEETS	MEETS	MEETS
	Laminated Clear Glass with Grid	0.49	0.63				
	Laminated Low-E Glass with Grid	0.37	0.32				
	Laminated Low-E/Argon with Grid	0.32	0.32				
	Laminated Ultra Low-E/Argon Glass with Grid	0.31	0.24				MEETS
	Laminated Turtle Code Low-E with Grid	0.38	0.23				MEETS
	Laminated Turtle Code Low-E/Argon with Grid	0.32	0.22				MEETS
	Laminated Clear Glass with 1-1/8" SDL	0.49	0.51				
	Laminated Low-E Glass with 1-1/8" SDL	0.37	0.26				
	Laminated Low-E/Argon with 1-1/8" SDL	0.32	0.26				
	Laminated Ultra Low-E/Argon Glass with 1-1/8" SDL	0.31	0.20				MEETS
	Laminated Turtle Code Low-E with 1-1/8" SDL	0.38	0.19				MEETS
Laminated Turtle Code Low-E/Argon with 1-1/8" SDL	0.32	0.18				MEETS	
352 Patio Door	Laminated/Tempered Clear Glass No Grid	0.45	0.53				
	Laminated/Tempered Low-E Glass No Grid	0.33	0.27				
	Laminated/Tempered Low-E/Argon Glass No Grid	0.30	0.27	MEETS	MEETS		
	Laminated/Tempered Ultra Low-E/Argon No Grid	0.30	0.20	MEETS	MEETS	MEETS	MEETS
	Laminated/Tempered Clear Glass with Grid	0.45	0.47				
	Laminated/Tempered Low-E Glass with Grid	0.33	0.24				
	Laminated/Tempered Low-E/Argon with Grid	0.30	0.23	MEETS	MEETS	MEETS	MEETS
	Laminated/Tempered Ultra Low-E/Argon Glass with Grid	0.30	0.18	MEETS	MEETS	MEETS	MEETS
	Laminated/Tempered Clear Glass with 1-1/8" SDL	0.45	0.40				
	Laminated/Tempered Low-E Glass with 1-1/8" SDL	0.33	0.21				
	Laminated/Tempered Low-E/Argon with 1-1/8" SDL	0.30	0.21	MEETS	MEETS	MEETS	MEETS
Laminated/Tempered Ultra Low-E/Argon Glass with 1-1/8" SDL	0.30	0.16	MEETS	MEETS	MEETS	MEETS	