

The performance information listed is for new products and is intended to be used for reference only, and is not complete. Depending on the components, accessories, and options chosen, the actual rating could vary. Confirm ratings for specific products with your supplier or JELD-WEN sales representative.

PRODUCT	GLAZING	No Grid				Qualifies for Energy Star				Flat or Contour Grids			Qualifies for Energy Star			
		U-Factor	SHGC	VT	CR	N	NC	SC	S	U-Factor	SHGC	VT	N	NC	SC	S
Awning	Clear	0.42	0.51	0.53	48					0.42	0.46	0.47				
	Low-E	0.30	0.27	0.46	54		X			0.30	0.25	0.41		X	X	X
	Low-E Argon	0.28	0.27	0.46	58		X			0.28	0.25	0.41		X	X	X
	Low-E EC Argon	0.24	0.27	0.45	45	X	X			0.24	0.24	0.41	X	X		
	Low-E 366	0.30	0.18	0.41	54		X	X	X	0.30	0.17	0.37		X	X	X
	Low-E 366 Argon	0.27	0.18	0.41	58	X	X	X	X	0.27	0.16	0.37	X	X	X	X
	Low-E EC 366 Argon	0.24	0.18	0.40	46	X	X	X	X	0.24	0.16	0.36	X	X	X	X
	Low-E 180	0.31	0.42	0.51	54					0.31	0.38	0.46				
	Low-E 180 Argon	0.28	0.42	0.51	57	X				0.28	0.38	0.46	X	X		
	Low-E EC 180 Argon	0.25	0.41	0.50	44	X				0.25	0.37	0.45	X			
	Energy Saver	0.27	0.28	0.47	58		X			0.28	0.25	0.41		X	X	X
	Energy Saver Plus	0.27	0.18	0.41	58	X	X	X	X	0.27	0.16	0.37	X	X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.19	0.23	0.37	72	X	X	X	X	-	-	-				
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.19	0.16	0.30	73	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low-E Argon/Krypton	0.18	0.23	0.37	75	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low-E 366 Argon/Krypton	0.18	0.16	0.30	77	X	X	X	X	-	-	-				
	Energy Star Northern	0.28	0.43	0.52	57	X				0.28	0.38	0.46	X	X		
	Energy Star North Central	0.27	0.28	0.47	58		X			0.28	0.25	0.41		X	X	X
	Energy Star South Central	0.27	0.18	0.43	54		X	X	X	0.30	0.17	0.37		X	X	X
	Energy Star Southern	0.30	0.19	0.43	54		X	X	X	0.30	0.17	0.37		X	X	X
Casement	Clear	0.41	0.52	0.54	45					0.41	0.46	0.47				
	Low-E	0.30	0.28	0.47	57		X			0.30	0.25	0.41		X	X	X
	Low-E Argon	0.27	0.28	0.47	60	X	X			0.27	0.25	0.41	X	X	X	X
	Low-E EC Argon	0.24	0.27	0.46	47	X	X			0.24	0.25	0.42	X	X		
	Low-E 366	0.29	0.19	0.43	57		X	X	X	0.29	0.17	0.38		X	X	X
	Low-E 366 Argon	0.27	0.18	0.43	61	X	X	X	X	0.27	0.17	0.38	X	X	X	X
	Low-E EC 366 Argon	0.23	0.18	0.42	47	X	X	X	X	0.23	0.16	0.38	X	X	X	X
	Low-E 180	0.31	0.42	0.51	55					0.31	0.38	0.46				
	Low-E 180 Argon	0.28	0.43	0.52	59	X				0.28	0.39	0.47	X	X		
	Low-E EC 180 Argon	0.24	0.42	0.51	46	X				0.24	0.38	0.46	X	X		
	Energy Saver	0.27	0.27	0.46	59	X	X			0.27	0.25	0.41	X	X	X	X
	Energy Saver Plus	0.27	0.18	0.41	59	X	X	X	X	0.27	0.16	0.37	X	X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.20	0.23	0.36	72	X	X	X	X	-	-	-				
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.18	0.16	0.30	76	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low-E Argon/Krypton	0.19	0.23	0.37	75	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low-E 366 Argon/Krypton	0.18	0.16	0.30	77	X	X	X	X	-	-	-				
	Energy Star Northern	0.28	0.43	0.52	59	X				0.28	0.39	0.47	X	X		
	Energy Star North Central	0.27	0.28	0.47	60	X	X			0.27	0.25	0.41	X	X	X	X
	Energy Star South Central	0.29	0.19	0.43	57		X	X	X	0.29	0.17	0.38		X	X	X
	Energy Star Southern	0.29	0.19	0.43	57		X	X	X	0.29	0.17	0.38		X	X	X
Double Hung (IPEX)	Clear	0.45	0.56	0.59	41					0.45	0.50	0.52				
	Low-E	0.33	0.30	0.51	51					0.33	0.27	0.45				
	Low-E Argon	0.30	0.30	0.51	54		X			0.30	0.27	0.45		X		
	Low-E EC Argon	0.26	0.29	0.50	43	X	X			0.26	0.26	0.44	X	X		
	Low-E 366	0.32	0.20	0.46	51				X	0.32	0.18	0.41				X
	Low-E 366 Argon	0.29	0.20	0.46	54		X	X	X	0.29	0.18	0.41		X	X	X
	Low-E EC 366 Argon	0.25	0.19	0.45	44	X	X	X	X	0.25	0.17	0.40	X	X	X	X
	Low-E 180	0.33	0.47	0.57	51					0.33	0.42	0.50				
	Low-E 180 Argon	0.30	0.47	0.57	53	X				0.30	0.42	0.50	X			
	Low-E EC 180 Argon	0.26	0.45	0.55	42	X				0.26	0.40	0.49	X	X		
	Energy Saver	0.30	0.30	0.51	54		X			0.30	0.27	0.45		X		
	Energy Saver Plus	0.29	0.20	0.46	54		X	X	X	0.29	0.18	0.41		X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.23	0.25	0.40	65	X	X	X	X	-	-	-				
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.23	0.17	0.33	65	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low-E Argon/Krypton	0.20	0.25	0.40	68	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low-E 366 Argon/Krypton	0.20	0.17	0.33	68	X	X	X	X	-	-	-				
	Energy Star Northern	0.30	0.47	0.57	53	X				0.30	0.42	0.50	X			
	Energy Star North Central	0.30	0.30	0.51	54		X			0.30	0.27	0.45		X		
	Energy Star South Central	0.29	0.20	0.46	54		X	X	X	0.29	0.18	0.41		X	X	X
	Energy Star Southern	0.32	0.20	0.46	51				X	0.32	0.18	0.41				X
Double Hung (New) PG 35	Clear	0.47	0.61	0.64	42					0.47	0.55	0.57				
	Low-E	0.34	0.32	0.56	52					0.34	0.29	0.49				
	Low-E Argon	0.31	0.32	0.56	55					0.31	0.29	0.49				
	Low-E EC Argon	0.26	0.32	0.54	44	X	X			0.26	0.28	0.48	X	X		
	Low-E 366	0.33	0.22	0.50	52				X	0.33	0.19	0.44				X
	Low-E 366 Argon	0.30	0.21	0.50	56		X	X	X	0.30	0.19	0.44		X	X	X
	Low-E EC 366 Argon	0.26	0.21	0.49	44	X	X	X	X	0.26	0.19	0.43	X	X	X	X
	Low-E 180	0.35	0.50	0.61	52					0.35	0.45	0.54				
	Low-E 180 Argon	0.31	0.50	0.61	55					0.31	0.45	0.54				
	Low-E EC 180 Argon	0.27	0.49	0.60	43	X				0.27	0.44	0.53	X			
	Energy Saver	0.31	0.32	0.56	55					0.31	0.29	0.49				
	Energy Saver Plus	0.30	0.21	0.50	56		X	X	X	0.30	0.19	0.44		X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.25	0.27	0.44	64	X	X			-	-	-				
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.25	0.19	0.36	64	X	X	X	X	-	-	-				
	Energy Saver Max K: Triple Glaze Low-E Argon/Krypton	0.24	0.27	0.44	64	X	X			-	-	-				
	Energy Saver Max K: Triple Glaze Low-E 366 Argon/Krypton	0.24	0.19	0.36	64	X	X	X	X	-	-	-				
	Energy Star Northern	0.30	0.50	0.61	46	X				0.30	0.45	0.54	X			
	Energy Star North Central	0.30	0.32	0.56	58		X			0.30	0.26	0.44		X		
	Energy Star South Central	0.30	0.21	0.50	56		X	X	X	0.30	0.19	0.44		X	X	X
	Energy Star Southern	0.33	0.22	0.50	52				X	0.33	0.19	0.44				X

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Double Hung (New) PG 50	Clear	0.47	0.61	0.64	42					0.47	0.55	0.57						
	Low-E	0.34	0.32	0.56	52					0.34	0.29	0.49						
	Low-E Argon	0.30	0.32	0.56	55			X		0.30	0.29	0.49			X			
	Low-E EC Argon	0.26	0.32	0.54	44	X	X			0.26	0.28	0.48	X	X				
	Low-E 366	0.33	0.22	0.50	52					0.33	0.19	0.44						X
	Low-E 366 Argon	0.30	0.21	0.50	55			X	X	0.30	0.19	0.44			X	X	X	X
	Low-E EC 366 Argon	0.26	0.21	0.49	44	X	X	X	X	0.26	0.19	0.43	X	X	X	X	X	X
	Low-E 180	0.34	0.50	0.61	52					0.34	0.45	0.54						
	Low-E 180 Argon	0.31	0.50	0.61	54					0.31	0.45	0.54						
	Low-E EC 180 Argon	0.27	0.49	0.60	43	X				0.27	0.44	0.53	X					
	Energy Saver	0.30	0.32	0.56	55			X							X			
	Energy Saver Plus	0.30	0.21	0.50	55			X	X						X	X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.25	0.27	0.44	64	X	X											
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.25	0.19	0.36	65	X	X	X	X									
	Energy Saver Max K: Triple Glaze Low-E Argon/Krypton	0.24	0.27	0.44	65	X	X											
	Energy Saver Max K: Triple Glaze Low-E 366 Argon/Krypton	0.24	0.19	0.36	65	X	X	X	X									
	Energy Star Northern	0.30	0.50	0.61	57	X							X					
	Energy Star North Central	0.30	0.32	0.56	55			X							X			
Energy Star South Central	0.30	0.21	0.50	55			X	X	X					X	X	X	X	
Energy Star Southern	0.33	0.22	0.50	52					X								X	
Double Hung Fixed (IPEX)	Clear	0.45	0.66	0.69	46					0.45	0.59	0.62						
	Low-E	0.31	0.35	0.60	56			X		0.31	0.32	0.54			X			
	Low-E Argon	0.28	0.35	0.60	59	X	X			0.28	0.31	0.54			X			
	Low-E EC Argon	0.23	0.34	0.59	47	X	X			0.23	0.31	0.53	X	X				
	Low-E 366	0.31	0.23	0.54	56			X	X	0.31	0.21	0.49			X	X	X	X
	Low-E 366 Argon	0.27	0.23	0.54	60	X	X	X	X	0.27	0.21	0.49	X	X	X	X	X	X
	Low-E EC 366 Argon	0.22	0.22	0.53	47	X	X	X	X	0.22	0.20	0.47	X	X	X	X	X	X
	Low-E 180	0.32	0.55	0.66	55					0.32	0.49	0.59						
	Low-E 180 Argon	0.28	0.55	0.66	59	X				0.28	0.49	0.59	X					
	Low-E EC 180 Argon	0.23	0.53	0.65	46	X				0.23	0.48	0.58	X					
	Energy Saver	0.28	0.35	0.60	59	X	X			0.28	0.31	0.54			X			
	Energy Saver Plus	0.27	0.23	0.54	60	X	X	X	X	0.27	0.21	0.49	X	X	X	X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.19	0.29	0.48	71	X	X			-	-	-						
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.19	0.20	0.39	71	X	X	X	X	-	-	-						
	Energy Saver Max K: Triple Glaze Low-E Argon/Krypton	0.16	0.29	0.48	75	X	X			-	-	-						
	Energy Saver Max K: Triple Glaze Low-E 366 Argon/Krypton	0.15	0.20	0.39	75	X	X	X	X	-	-	-						
	Energy Star Northern	0.28	0.55	0.66	59	X				0.28	0.49	0.59	X					
	Energy Star North Central	0.28	0.35	0.60	59	X	X			0.28	0.31	0.54			X			
Energy Star South Central	0.31	0.23	0.54	56			X	X	0.31	0.21	0.49			X	X	X	X	
Energy Star Southern	0.31	0.23	0.54	56			X	X	0.31	0.21	0.49			X	X	X	X	
Double Hung Fixed (New)	Clear	0.46	0.64	0.67	44					0.46	0.57	0.60						
	Low-E	0.32	0.34	0.58	56					0.32	0.31	0.52			X			
	Low-E Argon	0.29	0.34	0.58	59			X		0.29	0.30	0.52			X			
	Low-E EC Argon	0.24	0.33	0.57	46	X	X			0.24	0.30	0.51	X	X				
	Low-E 366	0.32	0.22	0.52	56					0.32	0.22	0.52						X
	Low-E 366 Argon	0.28	0.22	0.52	59			X	X	0.28	0.22	0.51			X	X	X	X
	Low-E EC 366 Argon	0.24	0.22	0.51	46	X	X	X	X	0.24	0.20	0.47	X	X	X	X	X	X
	Low-E 180	0.33	0.53	0.64	55					0.33	0.47	0.57						
	Low-E 180 Argon	0.29	0.53	0.64	58	X				0.29	0.47	0.57	X					
	Low-E EC 180 Argon	0.25	0.51	0.63	45	X				0.25	0.16	0.56	X					
	Energy Saver	0.29	0.34	0.58	59			X		0.29	0.30	0.52			X			
	Energy Saver Plus	0.28	0.22	0.52	59			X	X	0.28	0.22	0.51			X	X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.24	0.28	0.46	65	X	X			-	-	-						
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.23	0.19	0.37	65	X	X	X	X	-	-	-						
	Energy Saver Max K: Triple Glaze Low-E Argon/Krypton	0.22	0.28	0.46	65	X	X			-	-	-						
	Energy Saver Max K: Triple Glaze Low-E 366 Argon/Krypton	0.22	0.19	0.37	65	X	X	X	X	-	-	-						
	Energy Star Northern	0.29	0.53	0.64	58	X				0.29	0.47	0.57	X					
	Energy Star North Central	0.29	0.34	0.58	59			X		0.29	0.30	0.52			X			
Energy Star South Central	0.28	0.22	0.52	59			X	X	0.28	0.22	0.51			X	X	X	X	
Energy Star Southern	0.32	0.22	0.52	56					0.32	0.22	0.52						X	
Fixed	Clear	0.46	0.70	0.73	44					0.46	0.63	0.65						
	Low-E	0.31	0.37	0.64	55					0.31	0.33	0.57						
	Low-E Argon	0.27	0.37	0.64	58	X	X			0.27	0.33	0.57	X	X				
	Low-E EC Argon	0.22	0.36	0.62	38	X	X			0.22	0.33	0.56	X	X				
	Low-E 366	0.30	0.24	0.57	55			X	X	0.30	0.22	0.51			X	X	X	X
	Low-E 366 Argon	0.26	0.24	0.57	59	X	X	X	X	0.26	0.22	0.51	X	X	X	X	X	X
	Low-E EC 366 Argon	0.22	0.24	0.56	46	X	X	X	X	0.22	0.22	0.50	X	X	X	X	X	X
	Low-E 180	0.32	0.58	0.70	51					0.32	0.52	0.63						
	Low-E 180 Argon	0.28	0.58	0.70	58	X				0.28	0.52	0.63	X					
	Low-E EC 180 Argon	0.23	0.56	0.69	45	X				0.23	0.50	0.62	X					
	Energy Saver	0.27	0.37	0.64	58	X	X			0.27	0.33	0.57	X	X				
	Energy Saver Plus	0.26	0.24	0.57	59	X	X	X	X	0.26	0.22	0.51	X	X	X	X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.22	0.31	0.50	65	X	X			-	-	-						
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.22	0.21	0.41	66	X	X	X	X	-	-	-						
	Energy Saver Max K: Triple Glaze Low-E Argon/Krypton	0.18	0.31	0.50	70	X	X			-	-	-						
	Energy Saver Max K: Triple Glaze Low-E 366 Argon/Krypton	0.17	0.21	0.41	70	X	X	X	X	-	-	-						
	Energy Star Northern	0.28	0.58	0.70	58	X				0.28	0.52	0.63	X					
	Energy Star North Central	0.27	0.37	0.64	58	X	X			0.27	0.33	0.57	X	X				
Energy Star South Central	0.30	0.24	0.57	55			X	X	0.30	0.22	0.51			X	X	X	X	
Energy Star Southern	0.30	0.24	0.57	55			X	X	0.30	0.22	0.51			X	X	X	X	

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Horizontal Slider To Match DH	Clear	0.45	0.56	0.59	42					0.45	0.50	0.52						
	Low-E	0.33	0.30	0.51	51					0.33	0.27	0.45						
	Low-E Argon	0.30	0.30	0.51	54			X		0.30	0.27	0.45			X			
	Low-E EC Argon	0.26	0.29	0.50	43	X	X			0.26	0.26	0.44	X	X				
	Low-E 366	0.32	0.20	0.46	52					0.32	0.18	0.41						X
	Low-E 366 Argon	0.29	0.20	0.46	54			X	X	0.29	0.18	0.41			X	X		X
	Low-E EC 366 Argon	0.25	0.19	0.45	44	X	X	X	X	0.25	0.17	0.40	X	X	X	X		X
	Low-E 180	0.33	0.47	0.56	51					0.33	0.42	0.50						
	Low-E 180 Argon	0.30	0.47	0.56	54	X				0.30	0.42	0.50	X					
	Low-E EC 180 Argon	0.26	0.45	0.55	43	X				0.26	0.40	0.49	X	X				
	Energy Saver	0.30	0.30	0.51	54			X		0.30	0.27	0.45			X			
	Energy Saver Plus	0.29	0.20	0.46	54			X	X	0.29	0.18	0.41			X	X		X
	Energy Saver Max: Triple Glaze Low-E Argon	0.23	0.25	0.40	65	X	X	X	X	-	-	-						
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.23	0.17	0.33	65	X	X	X	X	-	-	-						
	Energy Saver Max K: Triple Glaze Low-E Argon/Krypton	0.20	0.25	0.40	68	X	X	X	X	-	-	-						
	Energy Saver Max K: Triple Glaze Low-E 366 Argon/Krypton	0.20	0.17	0.33	68	X	X	X	X	-	-	-						
	Energy Star Northern	0.30	0.47	0.56	54	X				0.30	0.42	0.50	X					
	Energy Star North Central	0.30	0.30	0.51	54			X		0.30	0.27	0.45			X			
	Energy Star South Central	0.29	0.20	0.46	54			X	X	0.29	0.18	0.41			X	X		X
	Energy Star Southern	0.32	0.20	0.46	52					0.32	0.18	0.41						X
Horizontal Slider To Match SH	Clear	0.47	0.62	0.65	43					0.47	0.56	0.58						
	Low-E	0.33	0.33	0.57	53					0.33	0.30	0.50						
	Low-E Argon	0.30	0.33	0.57	56			X		0.30	0.30	0.50			X			
	Low-E EC Argon	0.26	0.32	0.55	38	X	X			0.26	0.29	0.49	X	X				
	Low-E 366	0.33	0.22	0.51	53					0.33	0.20	0.45						X
	Low-E 366 Argon	0.29	0.22	0.51	56			X	X	0.29	0.20	0.45			X	X		X
	Low-E EC 366 Argon	0.25	0.21	0.50	45	X	X	X	X	0.25	0.19	0.44	X	X	X	X		X
	Low-E 180	0.34	0.51	0.62	48					0.34	0.46	0.56						
	Low-E 180 Argon	0.30	0.51	0.62	55	X				0.30	0.46	0.56	X					
	Low-E EC 180 Argon	0.26	0.50	0.61	44	X				0.26	0.45	0.54	X					
	Energy Saver	0.30	0.33	0.57	56			X		0.30	0.30	0.50			X			
	Energy Saver Plus	0.29	0.22	0.51	56			X	X	0.29	0.20	0.45			X	X		X
	Energy Saver Max: Triple Glaze Low-E Argon	0.25	0.28	0.46	63	X	X			-	-	-						
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.24	0.19	0.37	64	X	X	X	X	-	-	-						
	Energy Saver Max K: Triple Glaze Low-E Argon/Krypton	0.20	0.28	0.46	67	X	X			-	-	-						
	Energy Saver Max K: Triple Glaze Low-E 366 Argon/Krypton	0.20	0.19	0.37	67	X	X	X	X	-	-	-						
	Energy Star Northern	0.30	0.51	0.62	55	X				0.30	0.46	0.56	X					
	Energy Star North Central	0.30	0.33	0.57	56			X		0.30	0.30	0.50			X			
	Energy Star South Central	0.29	0.22	0.51	56			X	X	0.29	0.20	0.45			X	X		X
	Energy Star Southern	0.33	0.22	0.51	53					0.33	0.20	0.45						X
Multi-Slide Sliding Patio Door	Clear	0.46	0.55	0.58	44					0.46	0.48	0.50						
	Low-E	0.34	0.30	0.51	56					0.34	0.26	0.44						
	Low-E Argon	0.31	0.30	0.51	60					0.31	0.26	0.44						
	Low-E EC Argon	0.27	0.29	0.49	48	X	X			0.27	0.26	0.43	X	X				
	Low-E 366	0.33	0.20	0.45	57					0.33	0.18	0.39						
	Low-E 366 Argon	0.30	0.20	0.45	60	X	X	X	X	0.30	0.17	0.39	X	X	X	X		X
	Low-E 180	0.34	0.46	0.56	56					0.34	0.40	0.48						
	Low-E 180 Argon	0.31	0.46	0.56	59					0.31	0.40	0.48						
	Low-E EC 180 Argon	0.27	0.44	0.54	48	X				0.27	0.39	0.47	X	X				
	Low-E 270, Internal Blinds	0.36	0.26	0.49	55					-	-	-						
	Low-E 270 with i81, Internal Blinds	0.30	0.26	0.48	43	X	X			-	-	-						
	Low-E EC 366 Argon	0.26	0.19	0.44	49	X	X	X	X	0.26	0.17	0.39	X	X	X	X		X
	Low-E EC 180 Argon	0.27	0.44	0.54	48					0.27	0.39	0.47						
	Energy Saver	0.31	0.30	0.51	60			X		0.31	0.26	0.44						
	Energy Saver Plus	0.30	0.20	0.45	60	X	X	X	X	0.30	0.17	0.39	X	X	X	X		X
	Energy Saver Max: Triple Glaze Low-E Argon	0.23	0.25	0.40	62	X	X	X	X	0.23	0.22	0.35	X	X	X	X		X
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.22	0.17	0.33	62	X	X	X	X	0.23	0.15	0.28	X	X	X	X		X
	Energy Saver Max K: Triple Glaze Low-E Argon/Krypton	0.23	0.25	0.40	62	X	X	X	X	0.23	0.22	0.35	X	X	X	X		X
	Energy Saver Max K: Triple Glaze Low-E 366 Argon/Krypton	0.22	0.17	0.33	62	X	X	X	X	0.23	0.15	0.28	X	X	X	X		X
	Energy Star Northern	0.30	0.30	0.51	61	X	X			0.30	0.26	0.44	X	X				
Energy Star North Central	0.30	0.30	0.51	61	X	X			0.30	0.26	0.44	X	X					
Energy Star South Central	0.30	0.20	0.45	60	X	X	X	X	0.30	0.17	0.39	X	X	X	X		X	
Energy Star Southern	0.30	0.20	0.45	60	X	X	X	X	0.30	0.17	0.39	X	X	X	X		X	
Sidelite or Transom	Clear	0.45	0.59	0.62	44					0.45	0.53	0.55						
	Low-E	0.32	0.32	0.54	55					0.32	0.28	0.48						
	Low-E Argon	0.29	0.31	0.53	58	X	X			0.29	0.28	0.47	X	X				
	Low-E EC Argon	0.24	0.31	0.53	46	X	X			0.24	0.28	0.47	X	X				
	Low-E 366	0.31	0.21	0.48	56					0.31	0.19	0.43						
	Low-E 366 Argon	0.28	0.21	0.48	59	X	X	X	X	0.28	0.19	0.43	X	X	X	X		X
	Low-E EC 366 Argon	0.24	0.20	0.47	46	X	X	X	X	0.24	0.18	0.42	X	X	X	X		X
	Low-E EC 180 Argon	0.25	0.47	0.58	45					0.25	0.42	0.52						
	Energy Saver	0.29	0.31	0.53	58	X	X			0.29	0.28	0.47	X	X				
	Energy Saver Plus	0.28	0.21	0.48	59	X	X	X	X	0.28	0.19	0.43	X	X	X	X		X
	Energy Saver Max: Triple Glaze Low-E Argon	0.24	0.26	0.43	65	X	X			-	-	-						
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.24	0.18	0.34	66	X	X	X	X	-	-	-						
	Energy Saver Max K: Triple Glaze Low-E Argon/Krypton	0.20	0.26	0.43	70	X	X			-	-	-						
	Energy Saver Max K: Triple Glaze Low-E 366 Argon/Krypton	0.20	0.18	0.34	70	X	X	X	X	-	-	-						
	Energy Star Northern	0.29	0.31	0.53	58	X	X			0.29	0.28	0.47	X	X				
	Energy Star North Central	0.29	0.31	0.53	58	X	X			0.29	0.28	0.47	X	X				
	Energy Star South Central	0.28	0.21	0.48	59	X	X	X	X	0.28	0.19	0.43	X	X	X	X		X
	Energy Star Southern	0.28	0.21	0.48	59	X	X	X	X	0.28	0.19	0.43	X	X	X	X		X

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Side Load Single Hung	Clear	0.46	0.62	0.65	43					0.46	0.56	0.58						
	Low-E	0.33	0.33	0.57	53					0.33	0.30	0.50						
	Low-E Argon	0.29	0.33	0.57	56			X		0.29	0.30	0.50			X			
	Low-E EC Argon	0.25	0.32	0.55	42	X	X			0.25	0.29	0.49	X	X				
	Low-E 366	0.32	0.22	0.51	53					0.32	0.20	0.45						
	Low-E 366 Argon	0.29	0.22	0.51	57			X	X	X	0.29	0.20	0.45			X	X	X
	Low-E EC 366 Argon	0.25	0.21	0.50	45	X	X	X	X	0.25	0.19	0.44	X	X	X	X	X	X
	Low-E 180	0.34	0.51	0.62	50					0.34	0.46	0.56						
	Low-E 180 Argon	0.30	0.51	0.62	56	X				0.30	0.46	0.56	X					
	Low-E EC 180 Argon	0.26	0.50	0.61	44	X				0.26	0.45	0.54	X					
	Energy Saver	0.29	0.33	0.57	56			X		0.29	0.30	0.50			X			
	Energy Saver Plus	0.28	0.22	0.51	57			X	X	0.29	0.20	0.45			X	X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.24	0.28	0.46	65	X	X			-	-	-						
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.24	0.19	0.37	65	X	X	X	X	-	-	-						
	Energy Saver Max K: Triple Glaze Low-E Argon/Krypton	0.20	0.28	0.46	68	X	X	X	X	-	-	-						
	Energy Saver Max K: Triple Glaze Low-E 366 Argon/Krypton	0.20	0.19	0.37	68	X	X	X	X	-	-	-						
	Energy Star Northern	0.30	0.51	0.62	56	X				0.30	0.46	0.56	X					
	Energy Star North Central	0.29	0.33	0.57	56			X		0.29	0.30	0.50			X			
	Energy Star South Central	0.29	0.22	0.51	57			X	X	0.29	0.20	0.45			X	X	X	X
	Energy Star Southern	0.32	0.22	0.51	53			X	X	0.32	0.20	0.45			X	X	X	X
Sliding Patio Door PG 20 - Narrow Stile	Clear	0.46	0.62	0.65	42					0.46	0.55	0.57						
	Low-E	0.33	0.33	0.57	52					0.33	0.30	0.50						
	Low-E Argon	0.29	0.33	0.57	54	X	X			0.29	0.29	0.50	X	X				
	Low-E EC Argon	0.24	0.33	0.56	43	X	X			0.24	0.29	0.49	X	X				
	Low-E 366	0.32	0.22	0.52	52					0.32	0.20	0.45						
	Low-E 366 Argon	0.29	0.22	0.52	55	X	X	X	X	0.29	0.20	0.45	X	X	X	X	X	X
	Low-E 270, Internal Blinds	0.35	0.30	0.56	55					-	-	-						
	Low-E 270 with i81, Internal Blinds	0.28	0.29	0.54	41	X	X			-	-	-						
	Low-E EC 366 Argon	0.24	0.22	0.50	43	X	X	X	X	0.24	0.19	0.44	X	X	X	X	X	X
	Low-E EC 180 Argon	0.25	0.50	0.62	42					0.25	0.44	0.54						
	Energy Saver	0.29	0.33	0.57	54	X	X			0.29	0.29	0.50	X	X				
	Energy Saver Plus	0.29	0.22	0.52	55	X	X	X	X	0.29	0.20	0.45	X	X	X	X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.25	0.28	0.46	61	X	X			-	-	-						
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.24	0.19	0.37	62	X	X	X	X	-	-	-						
	Energy Saver Max K: Triple Glaze Low-E Argon/Krypton	0.20	0.28	0.46	64	X	X			-	-	-						
	Energy Saver Max K: Triple Glaze Low-E 366 Argon/Krypton	0.20	0.19	0.37	64	X	X	X	X	-	-	-						
	Energy Star Northern	0.29	0.33	0.57	54	X	X			0.29	0.29	0.50	X	X				
	Energy Star North Central	0.29	0.33	0.57	54	X	X			0.29	0.29	0.50	X	X				
	Energy Star South Central	0.29	0.22	0.52	55	X	X	X	X	0.29	0.20	0.45	X	X	X	X	X	X
	Energy Star Southern	0.29	0.22	0.52	55	X	X	X	X	0.29	0.20	0.45	X	X	X	X	X	X
Sliding Patio Door PG 35/50 - Narrow Stile	Clear	0.46	0.62	0.65	42					0.46	0.55	0.57						
	Low-E	0.33	0.33	0.57	52					0.33	0.30	0.50						
	Low-E Argon	0.29	0.33	0.57	54	X	X			0.29	0.29	0.50	X	X				
	Low-E EC Argon	0.24	0.33	0.56	43	X	X			0.24	0.29	0.49	X	X				
	Low-E 366	0.32	0.22	0.52	52					0.32	0.20	0.45						
	Low-E 366 Argon	0.29	0.22	0.52	55	X	X	X	X	0.29	0.20	0.45	X	X	X	X	X	X
	Low-E 270, Internal Blinds	0.35	0.30	0.56	55					-	-	-						
	Low-E 270 with i81, Internal Blinds	0.28	0.29	0.54	41	X	X			-	-	-						
	Low-E EC 366 Argon	0.24	0.22	0.50	43	X	X	X	X	0.24	0.19	0.44	X	X	X	X	X	X
	Low-E EC 180 Argon	0.25	0.50	0.62	42					0.25	0.44	0.54						
	Energy Saver	0.29	0.33	0.57	54	X	X			0.29	0.29	0.50	X	X				
	Energy Saver Plus	0.29	0.22	0.52	55	X	X	X	X	0.29	0.20	0.45	X	X	X	X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.25	0.28	0.46	61	X	X			-	-	-						
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.24	0.19	0.37	62	X	X	X	X	-	-	-						
	Energy Saver Max K: Triple Glaze Low-E Argon/Krypton	0.20	0.28	0.46	64	X	X			-	-	-						
	Energy Saver Max K: Triple Glaze Low-E 366 Argon/Krypton	0.20	0.19	0.37	64	X	X	X	X	-	-	-						
	Energy Star Northern	0.29	0.33	0.57	54	X	X			0.29	0.29	0.50	X	X				
	Energy Star North Central	0.29	0.33	0.57	54	X	X			0.29	0.29	0.50	X	X				
	Energy Star South Central	0.29	0.22	0.52	55	X	X	X	X	0.29	0.20	0.45	X	X	X	X	X	X
	Energy Star Southern	0.29	0.22	0.52	55	X	X	X	X	0.29	0.20	0.45	X	X	X	X	X	X
Sliding Patio Door PG 20 - Wide Stile	Clear	0.47	0.55	0.58	42					0.47	0.48	0.50						
	Low-E	0.34	0.30	0.51	51					0.34	0.26	0.44						
	Low-E Argon	0.31	0.30	0.51	54					0.31	0.26	0.44						
	Low-E EC Argon	0.26	0.29	0.49	43	X	X			0.26	0.26	0.43	X	X				
	Low-E 366	0.34	0.20	0.46	52					0.34	0.18	0.40						
	Low-E 366 Argon	0.30	0.20	0.46	54	X	X	X	X	0.30	0.17	0.40	X	X	X	X	X	X
	Low-E 270, Internal Blinds	0.36	0.27	0.49	55					-	-	-						
	Low-E 270 with i81, Internal Blinds	0.30	0.26	0.48	42	X	X			-	-	-						
	Low-E EC 366 Argon	0.26	0.19	0.45	44	X	X	X	X	0.26	0.17	0.39	X	X	X	X	X	X
	Low-E EC 180 Argon	0.27	0.44	0.54	43					0.27	0.39	0.47	X	X				
	Energy Saver	0.31	0.30	0.51	54					0.31	0.26	0.44						
	Energy Saver Plus	0.30	0.20	0.46	54	X	X	X	X	0.30	0.17	0.40	X	X	X	X	X	X
	Energy Saver Max: Triple Glaze Low-E Argon	0.27	0.25	0.40	60	X	X	X	X	-	-	-						
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.26	0.17	0.33	60	X	X	X	X	-	-	-						
	Energy Saver Max K: Triple Glaze Low-E Argon/Krypton	0.23	0.25	0.40	60	X	X	X	X	-	-	-						
	Energy Saver Max K: Triple Glaze Low-E 366 Argon/Krypton	0.23	0.17	0.33	61	X	X	X	X	-	-	-						
	Energy Star Northern	0.30	0.30	0.51	57	X	X			0.30	0.26	0.44	X	X				
	Energy Star North Central	0.30	0.30	0.51	57	X	X			0.30	0.26	0.44	X	X				
	Energy Star South Central	0.30	0.20	0.46	54	X	X	X	X	0.30	0.17	0.40	X	X	X	X	X	X
	Energy Star Southern	0.30	0.20	0.46	54	X	X	X	X	0.30	0.17	0.40	X	X	X	X	X	X

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Sliding Patio Door PG 35/50 - Wide Stile	Clear	0.47	0.55	0.58	42					0.47	0.48	0.50								
	Low-E	0.34	0.30	0.51	51					0.34	0.26	0.44								
	Low-E Argon	0.31	0.30	0.51	54					0.31	0.26	0.44								
	Low-E EC Argon	0.26	0.29	0.49	43	X	X			0.26	0.26	0.43	X	X						
	Low-E 366	0.34	0.20	0.46	52					0.34	0.18	0.40								
	Low-E 366 Argon	0.30	0.20	0.46	54	X	X	X	X	0.30	0.17	0.40	X	X	X	X				
	Low-E 270, Internal Blinds	0.36	0.27	0.49	55					-	-	-								
	Low-E 270 with i81, Internal Blinds	0.30	0.26	0.48	42	X	X			-	-	-								
	Low-E EC 366 Argon	0.26	0.19	0.45	44	X	X	X	X	0.26	0.17	0.39	X	X	X	X				
	Low-E EC 180 Argon	0.27	0.44	0.54	43					0.27	0.39	0.47	X	X						
	Energy Saver	0.31	0.30	0.51	54					0.31	0.26	0.44								
	Energy Saver Plus	0.30	0.20	0.46	54	X	X	X	X	0.30	0.17	0.40	X	X	X	X				
	Energy Saver Max: Triple Glaze Low-E Argon	0.27	0.25	0.40	60	X	X	X	X	-	-	-								
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.26	0.17	0.33	60	X	X	X	X	-	-	-								
	Energy Saver Max K: Triple Glaze Low-E Argon/Krypton	0.23	0.25	0.40	61	X	X	X	X	-	-	-								
	Energy Saver Max K: Triple Glaze Low-E 366 Argon/Krypton	0.23	0.17	0.33	61	X	X	X	X	-	-	-								
	Energy Star Northern	0.30	0.30	0.51	57	X	X			0.30	0.26	0.44	X	X						
	Energy Star North Central	0.30	0.30	0.51	57	X	X			0.30	0.26	0.44	X	X						
	Energy Star South Central	0.30	0.20	0.46	54	X	X	X	X	0.30	0.17	0.40	X	X	X	X				
	Energy Star Southern	0.30	0.20	0.46	54	X	X	X	X	0.30	0.17	0.40	X	X	X	X				
Tilt Single Hung PG 35	Clear	0.47	0.64	0.67	43					0.47	0.57	0.59								
	Low-E	0.33	0.34	0.58	53					0.33	0.31	0.52								
	Low-E Argon	0.30	0.34	0.58	56		X			0.30	0.30	0.52		X						
	Low-E EC Argon	0.26	0.33	0.57	45	X	X			0.26	0.30	0.51	X	X						
	Low-E 366	0.33	0.23	0.52	53				X	0.33	0.20	0.47							X	
	Low-E 366 Argon	0.29	0.22	0.52	53		X	X	X	0.29	0.20	0.47		X	X	X			X	
	Low-E EC 366 Argon	0.25	0.22	0.51	45	X	X	X	X	0.25	0.20	0.46	X	X	X	X			X	
	Low-E 180	0.34	0.53	0.64	52					0.34	0.47	0.57								
	Low-E 180 Argon	0.31	0.53	0.64	55					0.31	0.47	0.57								
	Low-E EC 180 Argon	0.26	0.51	0.63	44	X				0.26	0.46	0.56	X							
	Energy Saver	0.30	0.34	0.58	56		X			0.30	0.30	0.52		X						
	Energy Saver Plus	0.29	0.22	0.52	53		X	X	X	0.29	0.20	0.47		X	X	X			X	
	Energy Saver Max: Triple Glaze Low-E Argon	0.24	0.29	0.46	65	X	X			-	-	-								
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.24	0.19	0.37	65	X	X	X	X	-	-	-								
	Energy Saver Max K: Triple Glaze Low-E Argon/Krypton	0.23	0.29	0.46	66	X	X	X	X	-	-	-								
	Energy Saver Max K: Triple Glaze Low-E 366 Argon/Krypton	0.23	0.19	0.37	65	X	X	X	X	-	-	-								
	Energy Star Northern	0.30	0.53	0.64	58	X				0.30	0.47	0.57	X							
	Energy Star North Central	0.30	0.34	0.58	56		X			0.30	0.30	0.52		X						
	Energy Star South Central	0.29	0.22	0.52	53		X	X	X	0.29	0.20	0.47		X	X	X			X	
	Energy Star Southern	0.33	0.23	0.52	53				X	0.33	0.20	0.47							X	
Tilt Single Hung PG 50	Clear	0.47	0.64	0.67	43					0.47	0.57	0.59								
	Low-E	0.33	0.34	0.58	53					0.33	0.31	0.52								
	Low-E Argon	0.30	0.34	0.58	56		X			0.30	0.30	0.52		X						
	Low-E EC Argon	0.25	0.33	0.57	45	X	X			0.25	0.30	0.51	X	X						
	Low-E 366	0.33	0.23	0.52	53				X	0.33	0.20	0.47							X	
	Low-E 366 Argon	0.29	0.22	0.52	56		X	X	X	0.29	0.20	0.47		X	X	X			X	
	Low-E EC 366 Argon	0.25	0.22	0.51	45	X	X	X	X	0.25	0.20	0.46	X	X	X	X			X	
	Low-E 180	0.34	0.53	0.64	52					0.34	0.47	0.57								
	Low-E 180 Argon	0.30	0.53	0.64	55					0.30	0.47	0.57								
	Low-E EC 180 Argon	0.26	0.51	0.63	44	X				0.26	0.46	0.56	X							
	Energy Saver	0.30	0.34	0.58	56		X			0.30	0.30	0.52		X						
	Energy Saver Plus	0.29	0.22	0.52	56		X	X	X	0.29	0.20	0.47		X	X	X			X	
	Energy Saver Max: Triple Glaze Low-E Argon	0.24	0.29	0.46	65	X	X			-	-	-								
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.24	0.19	0.37	66	X	X	X	X	-	-	-								
	Energy Saver Max K: Triple Glaze Low-E Argon/Krypton	0.23	0.29	0.46	66	X	X			-	-	-								
	Energy Saver Max K: Triple Glaze Low-E 366 Argon/Krypton	0.23	0.19	0.37	67	X	X	X	X	-	-	-								
	Energy Star Northern	0.30	0.53	0.64	55	X				0.30	0.47	0.57	X							
	Energy Star North Central	0.30	0.34	0.58	56		X			0.30	0.30	0.52		X						
	Energy Star South Central	0.29	0.22	0.52	56		X	X	X	0.29	0.20	0.47		X	X	X			X	
	Energy Star Southern	0.33	0.23	0.52	53				X	0.33	0.20	0.47							X	
Tilt Single Hung Fixed	Clear	0.46	0.67	0.71	43					0.46	0.61	0.63								
	Low-E	0.31	0.36	0.62	55					0.31	0.33	0.55								
	Low-E Argon	0.28	0.36	0.62	58		X			0.28	0.32	0.55		X						
	Low-E EC Argon	0.23	0.36	0.62	58	X	X			0.28	0.32	0.55	X	X						
	Low-E 366	0.31	0.24	0.55	55				X	0.31	0.22	0.50							X	
	Low-E 366 Argon	0.27	0.23	0.55	58	X	X	X	X	0.27	0.21	0.50	X	X	X	X			X	
	Low-E EC 366 Argon	0.23	0.23	0.54	46	X	X	X	X	0.23	0.21	0.49	X	X	X	X			X	
	Low-E 180	0.32	0.56	0.68	54					0.32	0.50	0.61								
	Low-E 180 Argon	0.28	0.56	0.68	57	X				0.28	0.50	0.61	X							
	Low-E EC 180 Argon	0.24	0.54	0.66	45	X				0.28	0.50	0.61	X							
	Energy Saver	0.28	0.36	0.62	58		X			0.28	0.32	0.55		X						
	Energy Saver Plus	0.27	0.23	0.55	58	X	X	X	X	0.27	0.21	0.50	X	X	X	X			X	
	Energy Saver Max: Triple Glaze Low-E Argon	0.22	0.30	0.49	66	X	X			-	-	-								
	Energy Saver Max: Triple Glaze Low-E 366 Argon	0.22	0.21	0.39	67	X	X	X	X	-	-	-								
	Energy Saver Max K: Triple Glaze Low-E Argon/Krypton	0.21	0.30	0.49	67	X	X			-	-	-								
	Energy Saver Max K: Triple Glaze Low-E 366 Argon/Krypton	0.20	0.20	0.39	68	X	X	X	X	-	-	-								
	Energy Star Northern	0.28	0.56	0.68	57	X				0.28	0.50	0.61	X							
	Energy Star North Central	0.28	0.36	0.62	58		X			0.28	0.32	0.55		X						
	Energy Star South Central	0.27	0.23	0.55	58	X	X	X	X	0.27	0.21	0.50	X	X	X	X			X	
	Energy Star Southern	0.31	0.24	0.55	55				X	0.31	0.22	0.50							X	