



Thermal Performance

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Glass Type (Cardinal, 90% Argon, Endur Spacer, 3mm)	LoE Sur- face	Centre-of-Glass			U _w (Overall in W/m ² K) by Series																
		U _G (metric)	SHGC	VT	328				458				658			550	300	800	850	900	
					Fixed	Case- ment	Awn- ing	Hi Pro- file Fixed	Fixed	Case- ment	Awn- ing	In- swing Door	Out- swing Door	Fixed	In- swing Door	Out- swing Door	Sliding Door	Tilt n' Turn	Hori- zontal Slider	Single Hung	Double Hung
Dual Pane																					
LoE-180	3	1.48	0.68	79%	1.59	1.53	1.53	1.48	1.59	1.53	1.53	1.36	1.42	1.59	1.36	1.48	1.59	1.53	1.65	1.65	1.70
LoE-272	2	1.42	0.41	72%	1.53	1.48	1.53	1.42	1.53	1.48	1.48	1.36	1.42	1.53	1.36	1.42	1.59	1.476	1.59	1.59	1.65
LoE-366	2	1.36	0.27	65%	1.48	1.48	1.48	1.42	1.48	1.48	1.48	1.31	1.36	1.48	1.36	1.42	1.53	1.476	1.59	1.59	1.59
Triple Pane - 1 LoE Coating - High Performance																					
LoE-180	5	1.02	0.61	73%	1.14	1.19	1.19	1.08	1.14	1.19	1.19	1.36	1.42	1.14	1.36	1.48	1.25	1.25	1.59	1.59	1.65
LoE-272	2	1.08	0.38	66%	1.14	1.19	1.19	1.08	1.14	1.19	1.19	1.36	1.42	1.14	1.36	1.42	1.25	1.25	1.59	1.59	1.65
LoE-366	2	1.02	0.25	59%	1.14	1.19	1.19	1.08	1.14	1.19	1.19	1.36	1.42	1.14	1.36	1.42	1.19	1.19	1.59	1.59	1.59
Triple Pane - 2 LoE Coatings - Ultra High Performance																					
LoE-180/180	2 & 5	0.74	0.56	70%	0.91	1.02	1.02	0.85	0.91	1.02	0.97	1.25	1.31	0.91	1.25	1.36	1.02	1.022	1.36	1.36	1.42
LoE-272/180	2 & 5	0.738	0.37	63%	0.85	0.97	0.97	0.85	0.85	0.97	0.97	1.25	1.31	0.85	1.25	1.36	1.02	1.02	1.36	1.36	1.42
LoE-272/272	2 & 5	0.74	0.35	58%	0.85	0.97	0.97	0.85	0.85	0.97	0.97	1.25	1.31	0.85	1.25	1.31	0.97	1.022	1.36	1.36	1.42
LoE-366/180	2 & 5	0.738	0.24	57%	0.85	0.97	0.97	0.85	0.85	0.97	0.97	1.25	1.31	0.85	1.25	1.31	0.97	1.022	1.36	1.36	1.42
LoE-366/366	2 & 5	0.68	0.24	47%	0.79	0.97	0.97	0.79	0.79	0.97	0.97	1.25	1.31	0.79	1.25	1.31	0.97	0.965	1.36	1.36	1.36

Performance Values are calculated by certified, 3rd party test labs. Information is gleaned from best available industry sources. The reader is cautioned that test results should be used for comparison purposes only. Results are size and installation dependent. In-service performance can be significantly different from those shown. Product tested indicates design potential.



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Notes

- (1) Most products are offered in 1 3/8" OD (fixed; casement; awning; sliding doors; tilt n' turns; select swinging doors)
- (2) Most products available up to 5 or 6 mm glass in dual or triple pane.
- (3) NFRC Environmental Conditions used for all values.
- (4) Cardinal Endur warm edge stainless steel spacer used for all values.
- (5) Inswing and outswing door simulated with full glass in a flush glaze panel. Additional simulation values available online.

Values updated Sept. 25/23.