



NFRC TESTING RESULTS

3121/3132 Slider

Configuration	U-VALUE	SHGC	VLT	CR	Grids
Non-Foam Filled: 270/Arg/Clr-3/4"-(2mm-2mm)	0.30	0.30	0.57	59.00	
Non-Foam Filled: 270/Arg/Clr-3/4"-(2mm-2mm)	0.30	0.27	0.51	59.00	x
Non-Foam Filled: 366/Arg/Clr-3/4"-(2mm-2mm)	0.30	0.22	0.53	59.00	
Non-Foam Filled: 366/Arg/Clr-3/4"-(2mm-2mm)	0.30	0.20	0.47	59.00	x
Non-Foam Filled: 180/Arg/Clr-3/4"-(2.8mm-2.8mm)	0.30	0.52	0.63	58.00	
Non-Foam Filled: 180/Arg/Clr-3/4"-(2.8mm-2.8mm)	0.30	0.47	0.57	58.00	x
Add Foam, increase the frame's resistance to heat (structural) and thermal performance!					
Foam Filled: 366/Arg/Clr-3/4"-(2mm-2mm)	0.29	0.22	0.53	59.00	
Foam Filled: 366/Arg/Clr-3/4"-(2mm-2mm)	0.29	0.20	0.47	59.00	x
Foam Filled: 366/Arg/Clr-3/4"-(3mm-2.8mm)	0.28	0.22	0.52	59.00	
Foam Filled: 366/Arg/Clr-3/4"-(3mm-2.8mm)	0.28	0.20	0.46	59.00	x
Foam Filled: 180/Arg/i89-3/4"-(2.8mm-3mm)	0.25	0.51	0.62	46.00	
Foam Filled: 180/Arg/i89-3/4"-(2.8mm-3mm)	0.25	0.46	0.56	46.00	x
Foam Filled: 366/Arg/i89-3/4"-(3mm-3mm)	0.24	0.22	0.51	47.00	
Foam Filled: 366/Arg/i89-3/4"-(3mm-3mm)	0.24	0.20	0.45	47.00	x

3221 Single Hung

Consult the NFRC for a complete list of combinations

Non-Foam Filled: 270/Arg/Clr-3/4"-(2mm-2mm)	0.29	0.30	0.57	59.00	
Non-Foam Filled: 270/Arg/Clr-3/4"-(2mm-2mm)	0.29	0.27	0.51	59.00	x
Non-Foam Filled: 366/Arg/Clr-3/4"-(2mm-2mm)	0.29	0.22	0.53	59.00	
Non-Foam Filled: 366/Arg/Clr-3/4"-(2mm-2mm)	0.29	0.20	0.47	59.00	x
Non-Foam Filled: 180/Arg/Clr-3/4"-(2.8mm-2.8mm)	0.30	0.52	0.63	57.00	
Non-Foam Filled: 180/Arg/Clr-3/4"-(2.8mm-2.8mm)	0.30	0.47	0.57	57.00	x
Add Foam, increase the frame's resistance to heat (structural) and thermal performance!					
Foam Filled: 366/Arg/Clr-3/4"-(2mm-2mm)	0.28	0.22	0.53	59.00	
Foam Filled: 366/Arg/Clr-3/4"-(2mm-2mm)	0.28	0.20	0.47	59.00	x
Foam Filled: 180/Arg/i89-3/4"-(3mm-3mm)	0.25	0.50	0.62	59.00	
Foam Filled: 180/Arg/i89-3/4"-(2.8mm-3mm)	0.30	0.46	0.56	59.00	x
Foam Filled: 366/Arg/i89-3/4"-(3mm-3mm)	0.24	0.22	0.51	46.00	
Foam Filled: 366/Arg/i89-3/4"-(3mm-3mm)	0.24	0.20	0.45	46.00	x

3310 Picture Window

Consult the NFRC for a complete list of combinations

Non-Foam Filled: Clr/Arg/270-3/4"-(2mm-2mm)	0.27	0.42	0.63	60.00	
Non-Foam Filled: Clr/Arg/270-3/4"-(2mm-2mm)	0.27	0.38	0.57	60.00	x
Non-Foam Filled: 366/Arg/Clr-3/4"-(2mm-2mm)	0.27	0.24	0.59	60.00	
Non-Foam Filled: 366/Arg/Clr-3/4"-(2mm-2mm)	0.27	0.22	0.53	60.00	x
Non-Foam Filled: 180/Arg/Clr-3/4"-(2.8mm-2.8mm)	0.28	0.58	0.70	59.00	
Non-Foam Filled: 180/Arg/Clr-3/4"-(2.8mm-2.8mm)	0.28	0.52	0.63	59.00	x
Add Foam, increase the frame's resistance to heat (structural) and thermal performance!					
Foam Filled: 366/Arg/Clr-3/4"-(2mm-2mm)	0.26	0.24	0.59	61.00	
Foam Filled: 366/Arg/Clr-3/4"-(2mm-2mm)	0.26	0.22	0.53	61.00	x
Foam Filled: 180/Arg/i89-3/4"-(2.8mm-3mm)	0.22	0.56	0.69	46.00	
Foam Filled: 180/Arg/i89-3/4"-(2.8mm-3mm)	0.22	0.51	0.62	46.00	x
Foam Filled: 366/Arg/i89-3/4"-(3mm-3mm)	0.21	0.24	0.57	47.00	
Foam Filled: 366/Arg/i89-3/4"-(3mm-3mm)	0.21	0.22	0.51	47.00	x

3010 Picture Window

Consult the NFRC for a complete list of combinations

270/Arg/Clr-3/4"-(2mm-2mm)	0.27	0.33	0.63	59.00	
270/Arg/Clr-3/4"-(2mm-2mm)	0.27	0.30	0.57	59.00	x
366/Arg/Clr-3/4"-(2mm-2mm)	0.27	0.25	0.59	59.00	
366/Arg/Clr-3/4"-(2mm-2mm)	0.27	0.22	0.53	59.00	x
180/Arg/Clr-3/4"-(2.8mm-2.8mm)	0.27	0.58	0.70	58.00	
180/Arg/Clr-3/4"-(2.8mm-2.8mm)	0.27	0.52	0.63	58.00	x