



Film	Visible Light				Near-Infrared Energy				Shading Coefficient (SC)	Solar Heat Gain Coefficient (SHGC)	U-Value	GPR (Resistivity)	Resistivity	Light to Solar Gain	Total Solar Energy Rejection (TSER)	# Resisters	Adhesive Energy Rejection (AER)
	Trans	Reflected Exterior	Reflected Interior	Clear Reflection	Trans	Reflected Exterior	Reflected	Reflected									
None (1)	88%	0%	0%	88%	88%	0%	88%	0.87	0.86	0.93	> 99%	0.08	0.08	60%	90%	0%	
None Gray (2)	57%	1%	55%	34%	58%	0%	62%	0.73	0.63	1.00	> 99%	0.09	0.09	27%	57%	38%	
None Gray (3)	25%	1%	24%	0%	26%	0%	26%	0.53	0.47	1.00	> 99%	0.09	0.09	0%	1%	57%	
None Gray (4)	11%	0%	11%	0%	11%	0%	11%	0.43	0.36	1.00	> 99%	0.09	0.09	0%	0%	64%	
None Bronze (5)	21%	0%	20%	0%	20%	0%	22%	0.44	0.36	0.91	> 99%	0.09	0.09	0%	0%	67%	
None Bronze (6)	21%	0%	20%	0%	20%	0%	22%	0.43	0.37	0.90	> 99%	0.09	0.09	0%	0%	66%	
Optimus™ (7)	61%	0%	5%	61%	61%	0%	61%	0.70	0.67	1.00	> 99%	0.07	0.14	3%	3%	30%	
Optimus™ (8)	27%	0%	0%	26%	26%	0%	26%	0.44	0.33	1.00	> 99%	0.09	0.09	0%	0%	67%	
Optimus™ (9)	27%	0%	0%	26%	26%	0%	26%	0.46	0.40	0.97	> 99%	0.10	0.17	0%	0%	67%	
Optimus™ Reflective (1)	54%	0%	21%	54%	54%	0%	47%	0.53	0.27	0.95	> 99%	0.09	0.04	13%	11%	54%	
Optimus™ Reflective (2)	0%	0%	10%	0%	0%	0%	0%	0.25	0.20	0.98	> 99%	0.07	0.04	0%	0%	77%	
Reflective Blue (1)	46%	0%	27%	0%	0%	0%	48%	0.50	0.44	0.98	> 99%	0.08	0.00	54%	32%	43%	
Reflective Blue (2)	31%	0%	42%	0%	0%	0%	33%	0.37	0.31	0.91	> 99%	0.08	0.11	40%	30%	73%	
Reflective Blue (3)	11%	0%	54%	0%	0%	0%	14%	0.28	0.20	0.89	> 99%	0.08	0.14	0%	0%	76%	
None Gray Exterior (1)	25%	0%	24%	0%	26%	0%	24%	0.50	0.44	1.00	> 99%	0.08	0.10	0%	0%	69%	
None Bronze Exterior (1)	24%	0%	24%	0%	24%	0%	24%	0.44	0.35	1.00	> 99%	0.10	0.09	0%	0%	73%	
None Bronze Exterior (2)	21%	0%	24%	0%	21%	0%	20%	0.28	0.24	1.00	> 99%	0.10	0.09	0%	0%	64%	
Reflective Blue Exterior (1)	11%	0%	40%	0%	14%	0%	14%	0.22	0.17	1.00	> 99%	0.08	0.14	0%	0%	81%	
None (1)	7%	0%	0%	0%	1%	0%	0%	0.19	0.17	1.00	> 99%	0.05	0.04	1%	0%	69%	
None (2)	7%	0%	0%	0%	1%	0%	0%	0.17	0.15	1.00	> 99%	0.06	0.04	0%	0%	69%	
Acrylic (1)	47%	0%	0%	0%	48%	0%	48%	0.40	0.37	1.00	> 99%	0.05	0.17	1%	0%	57%	
Low Iron (1)	85%	0%	0%	86%	86%	0%	86%	0.92	0.80	1.00	> 99%	0.07	0.00	20%	24%	20%	
Low Iron (2)	84%	0%	0%	85%	85%	0%	85%	0.92	0.79	1.00	> 99%	0.07	0.11	20%	24%	20%	
None (1)	89%	0%	0%	89%	89%	0%	89%	0.96	0.84	1.00	97%	0.06	0.06	0%	0%	87%	

Based in accordance with National Fenestration Rating Council (NFRC) standards and obtained on single-pane films. 1/4" color glass. IR Resistor is tested in the IR range of 70 to 130 micrometers.

Resistor values are based on the use of a resistor for electrical protection. Users should use a variety of the specific conditions in which the product is to be used as the user's responsibility to determine whether the product is suitable for that condition. If the specific conditions of use are critically dependent on any of the properties of the product, a Type-Test Further Information (under Method No. 1) can be downloaded for details.