



Optical and Solar Properties

Omega Plus - Hybrid Films

	Visible Light Transmitted	Visible Light Reflected	Ultra Violet Block	Total Solar Energy Reflected	Total Solar Energy Transmitted	Total Solar Energy Absorbed	Shading Coefficient	Total Solar Energy Rejected
Omega Plus 05 R059J0A	5%	7%	99%	9%	16%	75%	0.43	64%
Omega Plus 15 R058I9A	15%	6%	99%	7%	27%	66%	0.53	54%
Omega Plus 20 R058I6A	24%	7%	99%	8%	31%	61%	0.56	51%
Omega Plus 35 R058I5A	35%	7%	99%	8%	39%	53%	0.64	44%
Omega Plus 45 R058I7A	44%	8%	99%	8%	45%	47%	0.69	40%

Alpha Plus - Hybrid Films / Alpha Plus Safe 4 mil* - Hybrid Films with 4 mil Safety

	Visible Light Transmitted	Visible Light Reflected	Ultra Violet Block	Total Solar Energy Reflected	Total Solar Energy Transmitted	Total Solar Energy Absorbed	Shading Coefficient	Total Solar Energy Rejected
Alpha Plus 05 R050H0A R125H0A*	5%	7%	99%	9%	18%	73%	0.44	62%
Alpha Plus 12 R050H9A R125H9A*	12%	6%	99%	8%	27%	65%	0.53	54%
Alpha Plus 20 R050H6A R125H6A*	19%	7%	99%	8%	30%	62%	0.55	52%
Alpha Plus 28 R050H8A	28%	7%	99%	8%	34%	57%	0.57	49%
Alpha Plus 36 R050H5A R125H5A*	35%	7%	99%	8%	39%	53%	0.64	44%
Alpha Plus 50 R050H7A R125H7A*	49%	8%	99%	8%	47%	45%	0.69	40%

Cool Crystal - Hybrid Films

	Visible Light Transmitted	Visible Light Reflected	Ultra Violet Block	Total Solar Energy Reflected	Total Solar Energy Transmitted	Total Solar Energy Absorbed	Shading Coefficient	Total Solar Energy Rejected
Cool Crystal 04 R058Q04	4%	6%	99%	9%	25%	66%	0.53	54%
Cool Crystal 12 R053Q9A	14%	6%	99%	8%	28%	64%	0.55	52%
Cool Crystal 20 R053Q6A	19%	6%	99%	8%	30%	62%	0.57	51%
Cool Crystal 35 R053Q5A	39%	8%	99%	9%	40%	52%	0.64	45%
Cool Crystal 50 R053Q7A	49%	8%	99%	8%	47%	45%	0.69	40%





Optical and Solar Properties

Solar Steel / Cold Steel - Premium All-metal Films - ** with 6 mil safety *** with 10 mil safety								
	Visible Light Transmitted	Visible Light Reflected	Ultra Violet Block	Total Solar Energy Reflected	Total Solar Energy Transmitted	Total Solar Energy Absorbed	Shading Coefficient	Total Solar Energy Rejected
Solar Steel 20 R058L6A	20%	21%	99%	25%	14%	61%	0.37	69%
Solar Steel 35 R058L5A	37%	14%	99%	17%	28%	55%	0.5	57%
Solar Steel 50 R058L3A	50%	15%	98%	17%	39%	44%	0.58	50%
Cold Steel 35 R170L5T** R270L5T***	37%	14%	99%	17%	28%	55%	0.5	57%
Cold Steel 50 R169L3T** R269L3T***	50%	15%	98%	17%	39%	44%	0.58	50%
Cold Steel 70 R058X4S	66%	9%	98%	9%	54%	37%	0.75	35%

Cool Coal - Non-reflective Films								
	Visible Light Transmitted	Visible Light Reflected	Ultra Violet Block	Total Solar Energy Reflected	Total Solar Energy Transmitted	Total Solar Energy Absorbed	Shading Coefficient	Total Solar Energy Rejected
Cool Coal 05 R058Z0A	5%	6%	99%	7%	40%	53%	0.65	43%
Cool Coal 18 R058Z6A	18%	6%	99%	7%	42%	51%	0.67	42%
Cool Coal 28 R058Z8A	28%	6%	99%	7%	46%	47%	0.70	39%
Cool Coal 38 R058Z5A	37%	7%	99%	7%	50%	43%	0.73	37%
Cool Coal 50 R058Z7A	53%	7%	99%	7%	58%	35%	0.78	32%

IR Spectral Selective Film - Non-reflective Films * with 4 mil safety								
	Visible Light Transmitted	Visible Light Reflected	Ultra Violet Block	Total Solar Energy Reflected	Total Solar Energy Transmitted	Total Solar Energy Absorbed	Shading Coefficient	Total Solar Energy Rejected
IR 75 R069IRM R123IRM*	76%	9%	99%	7%	40%	53%	0.65	44%

UV Filter Film - Non-reflective Films								
	Visible Light Transmitted	Visible Light Reflected	Ultra Violet Block	Total Solar Energy Reflected	Total Solar Energy Transmitted	Total Solar Energy Absorbed	Shading Coefficient	Total Solar Energy Rejected
UV Filter R069UVS	87%	11%	100%	9%	79%	12%	0.82	18%

Performance results are calculated on 6mm glass using NFRC methodology and LBNL Window 5.2 software, and are subject to variations in process conditions within industry standards and are only intended for estimating purposes.