

Glazing

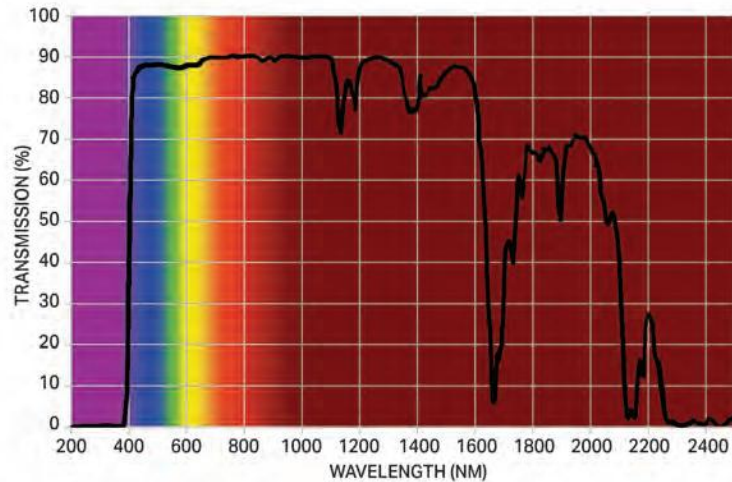


Makrolon® sheet and Hygard® laminate products

Thickness (inch)	Light Transmission, Typical %	Shading Coefficient	Solar Heat Gain Coefficient	Total Solar	Solar Absorption %	Solar Reflectance %	U-Factor	
							Summer	Winter
0.118	86	0.99	0.87	83	11	6	0.91	1.00
0.177	85	0.99	0.86	82	12	6	0.88	0.96
0.236	84	0.97	0.85	80	14	6	0.85	0.92
0.370	80	0.95	0.83	77	17	6	0.78	0.85
0.480	77	0.93	0.81	75	16	9	0.73	0.79
Tint	70	0.86	0.75	66	27	7	*	*
Tint	50	0.77	0.67	55	38	7	*	*
Tint	18	0.62	0.54	34	60	6	*	*
BR750	89	0.95	0.83	75	19	6	0.64	0.68
BR1000	66	0.88	0.76	65	30	5	0.56	0.60
BR1250	72	0.91	0.79	68	27	5	0.51	0.54
CG375	82	0.94	0.82	76	18	6	0.77	0.84
CG500	79	0.93	0.81	73	21	6	0.72	0.78
CG750	72	0.90	0.79	69	25	6	0.63	0.68
WG 0.75**	71	0.89	0.78	69	23	8	0.62	0.67
WG 1.0**	64	0.86	0.75	64	29	7	0.56	0.60
WG 1.25**	59	0.85	0.74	61	32	7	0.50	0.53
WG 2.0**	48	0.82	0.71	55	39	6	0.39	0.41

*Thickness dependent

**WG products have limited weathering properties, for more information contact your Covestro representative or the Sheet Technical Services Group



Makrolon sheet light transmission curve

Noise reduction*

The tables below show sound reduction levels, in decibels, for Makrolon® sheet single and dual glazed systems.

Single glazed

Makrolon thickness (inch)	Rw (dB)	STC (dB)	OITC (dB)
0.118	24	24	19
0.177	27	27	22
0.236	29	29	24
0.375	33	33	27
0.500	35	34	30

Dual glazed

Sheet thickness (inch)	Air Space (inch)	Makrolon thickness (inch)	STC (dB)	OITC (dB)
0.236 PC	0.5	0.236	28	23
0.250 Glass	0.5	0.5	31	26
0.250 Glass	0.5	0.5 laminate	36	28