



Makrolon® multi UV sheet

Profile overview

Makrolon® multi UV sheet is a family of structured polycarbonate sheet products that offer superior solutions for a wide range of interior finish, glazing, roofing, and cladding applications. Features and benefits include:

- Over 250 times more impact resistant than glass—withstands hail storms and breakage during transport and installation
- Excellent thermal insulation for energy savings
- High light transmission clear or reduced light transmission tints allow for controlled daylighting
- Lightweight and easy to install and fabricate—the sheet can be cold-bent during installation
- Low Flammability—International Building Code Rated
- Makrolon multi UV sheet is offered with a ten (10) year Limited Product Warranty against breakage and weather resistance

Applications

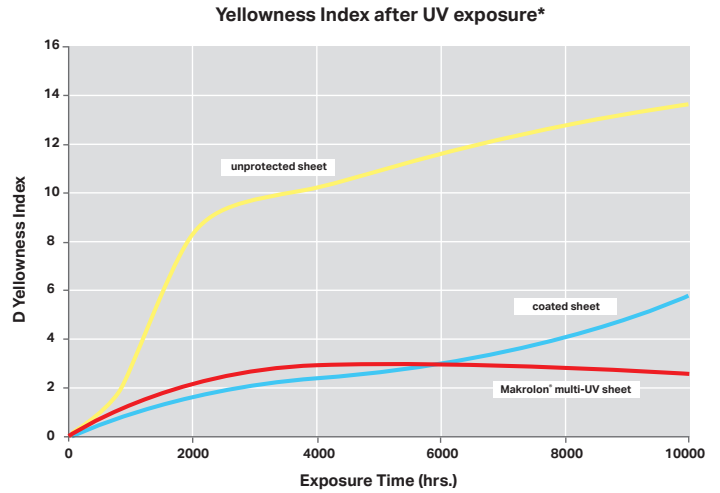
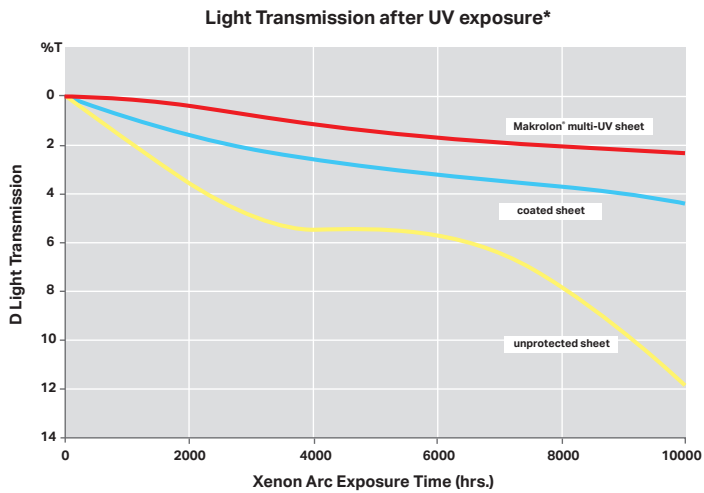
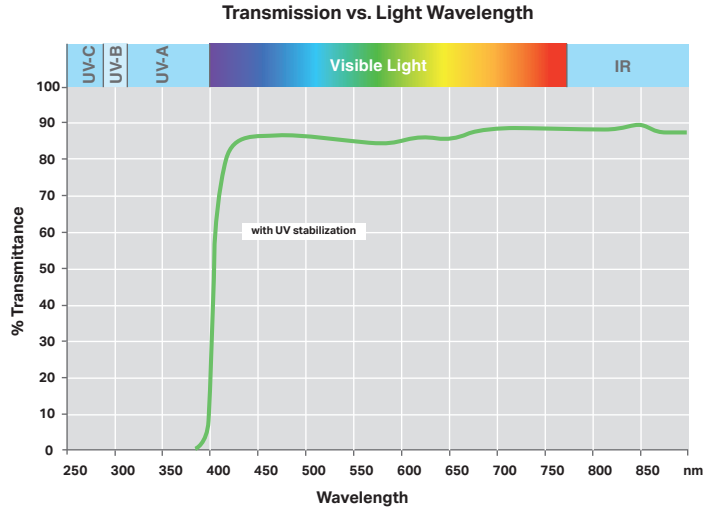
Industrial buildings, sports arenas, greenhouses, bus shelters, car ports, sunrooms, covered walkways, swimming pool covers, partition walls, facades, roofing, skylights, and lightweight signage

Typical Properties

Thickness inch/mm	Structure	Weight (lbs / ft ²)	Luminous Transmittance: Clear and Opal	U-Value (BTU/hr·ft ² ·°F) / R-Value (hr·ft ² ·°F / BTU)	Coefficient of Thermal Expansion	Minimum Bend Radius
0.157/4	2/4-6	0.16	82% / 51%	0.72 / 1.4*	3.75x10 ⁻⁵ in/in/°F	29"
0.236/6	2/6-6	0.27	80% / 45%	0.62 / 1.6*	3.75x10 ⁻⁵ in/in/°F	39"
0.315/8	2/8-10.5	0.35	80% / 46%	0.60 / 1.7*	3.75x10 ⁻⁵ in/in/°F	49"
	4/8-6	0.33	68% / -	0.49 / 2.0*	3.75x10 ⁻⁵ in/in/°F	47"
0.397/10	2/10-10.5	0.35	80% / 48%	0.56 / 1.9*	3.75x10 ⁻⁵ in/in/°F	59"
	4/10-6	0.36	68% / 61%	0.44 / 2.3*	3.75x10 ⁻⁵ in/in/°F	59"
0.629/16	3X/16-25	0.51	66% / 54%	0.35 / 2.9**	3.75x10 ⁻⁵ in/in/°F	118"
	6/16-20	0.57	59% / 49%	0.32 / 3.1**	3.75x10 ⁻⁵ in/in/°F	94"
0.984/25	5M/25-20	0.70	49% / 40%	0.23 / 4.3**	3.75x10 ⁻⁵ in/in/°F	na
1.26/32	5M/32-20	0.76	48% / 38%	0.19 / 5.3**	3.75x10 ⁻⁵ in/in/°F	na
1.575/40	5M/40-20	0.86	47% / 35%	0.18 / 5.6**	3.75x10 ⁻⁵ in/in/°F	na

Luminous transmittance: D65 Observant; U and R-values calculated, *ASTM C 976 **EN ISO 6946

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*Accelerated weathering test: Xenon Arc (wet/dry cycle of 102/18 min)



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