

**POLYGAL®**

PLASTICS INDUSTRIES LTD.

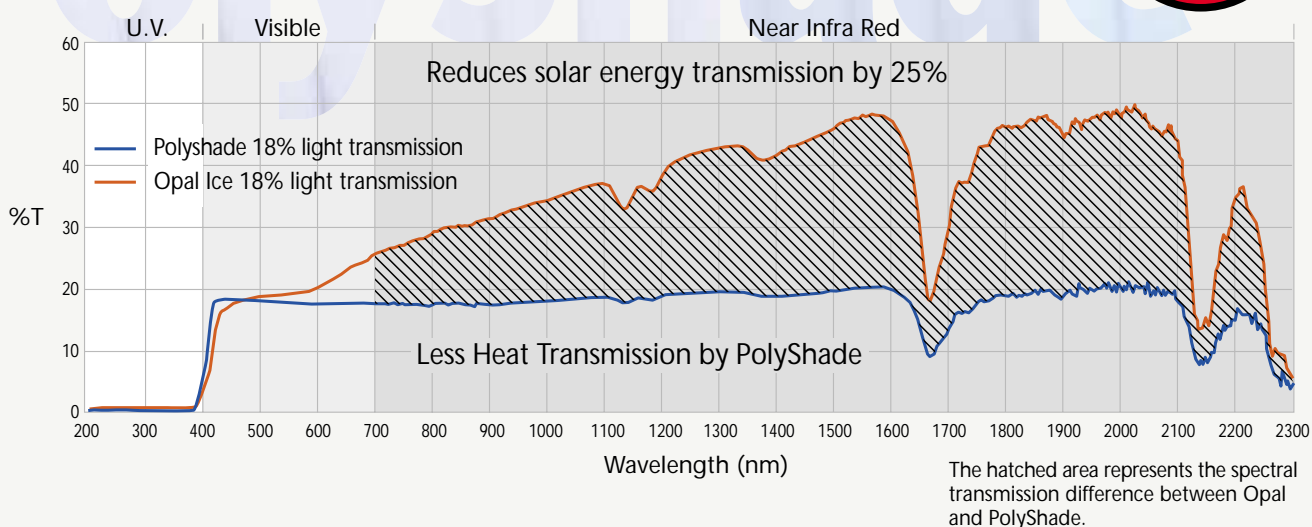
# Polyshade

**EFFECTIVE SHADING FOR TOTAL COMFORT**





## PolyShade vs Opal Ice Sheet - Transmission



Designed for warm climates, PolyShade Polycarbonate structural glazing sheets effectively reflect sunlight and prevent excess heat buildup. A distinctive coextruded reflective coating gives PolyShade an efficient shading capacity and a special advantage over other pigmented sheets. PolyShade sheets feature an attractive metallic appearance, coupled with resistance to UV damage, extra strength, durability and ease in installation. Wherever shade is called for, PolyShade is the solution.

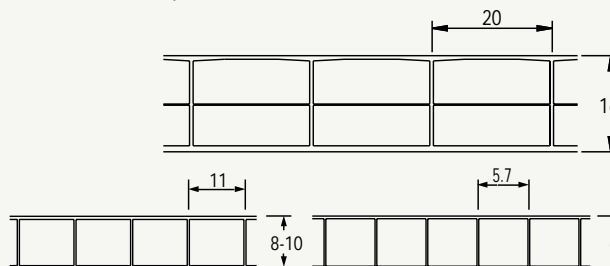
### Advantages

- Superior Shading Capability – more effective heat reflection than competitive sheets
- Attractive Silver Metallic Finish
- Environmentally Friendly Material - strong, durable, and easy to install
- Available in 8mm, 10mm, 16mm and other thicknesses

### Technical Properties

Shading performance of PolyShade compared to standard Opal sheets

Sheet Thickness	Sheet Type	Light** Transmission	Shading* Coefficient
6 mm	PolyShade Silver	18%	0.34
6 mm	Opal Ice	18%	0.37
8 mm	PolyShade Silver	18%	0.33
8 mm	PolyShade Blue	18%	0.48
8 mm	PolyShade Green	18%	0.37
8 mm	Opal Ice	18%	0.39
10 mm	PolyShade Silver	18%	0.35
10 mm	Opal Ice	18%	0.43
16 mm	PolyShade Silver	18%	0.26
16 mm	Opal Ice	32%	0.56



Sheet Thickness (mm)	6	8	10	16
Standard Width (mm)	980, 1050, 1200, 1220, 1250, 2100			
Max. Width (mm)	2100			
Weight (g/m <sup>2</sup> )	1300	1500/1700	1700/2000	2700
Minimum Radius for Cold Bending Arches (m)	1.05	1.40	1.75	2.80
U-Factor ASTM C177 (Watt/m <sup>2</sup> • °C)	3.6	3.3	3.0	2.3
Recommended Use	Wide range of applications			

\* The Shading Coefficient is the ratio between the solar heat gain coefficient of the sheet, and that of 3mm clear glass. A low shading coefficient indicates less heat transmitted into the structure.

\*\* ASTM D1003

Shade-en-12.02

YARKONI ADV. 3012/02



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