

MANUFACTURERS OF OPTOLITE CONTRAST ENHANCEMENT FILTERS | SHIELDED WINDOWS – INSTRUMENT GLASSES | POLARISING FILTERS

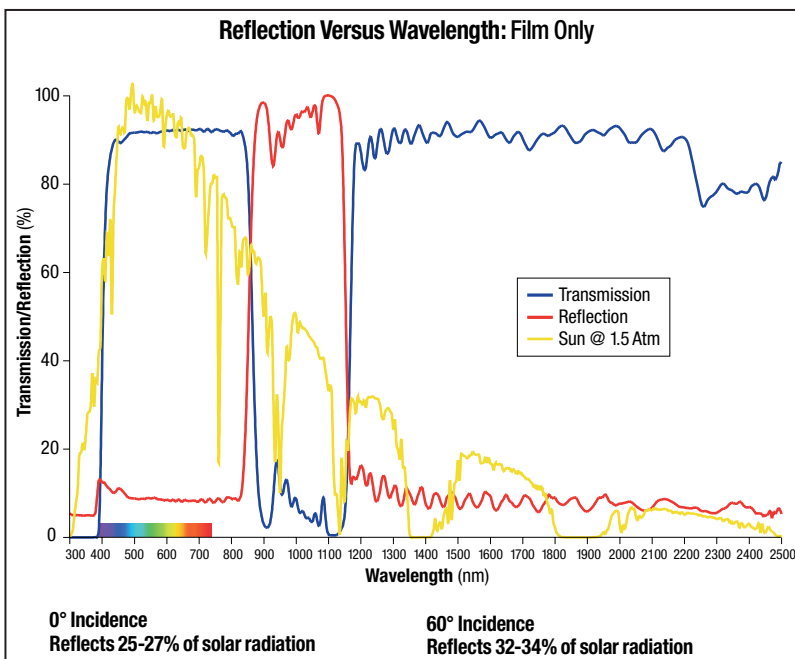
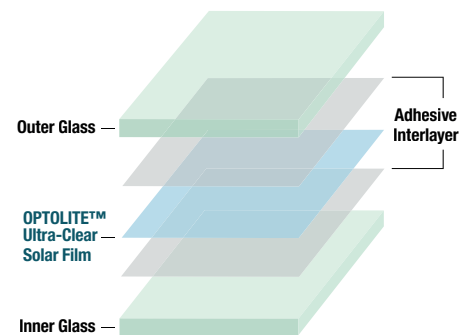
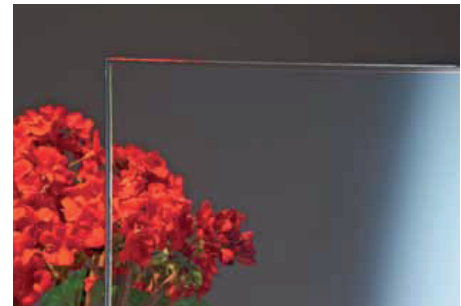
OPTOLITE™ IR Blocking Laminated Glass/Polycarbonate

Optolite™ Ultra-Clear Laminated Glass/Polycarbonate

Solar heat reduction with minimal effect on visible light

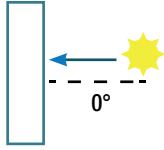
This is a clear glass/polycarbonate lamination which maintains high visible light transmission while blocking infrared heat. This is non-metallic and neutral in colour.

- Reduces solar radiation by up to 34% with minimal reduction of visible light
- Multilayer film selectively blocks infrared light, thus reducing heat
- Available Glass or Polycarbonate
- Neutral in colour, low reflectivity, low absorption
- Available with AR / ITO coatings, tints and alternative finishes
- Corrosion free, non-metallic technology
- No interference with radion frequencies



Solar Performance of Low Iron Laminated Glass: At 0° From Nominal

6.3 mm low iron glass/0.38 mm PVB/UCSF/0.38 mm PVB/6.3 mm low iron glass

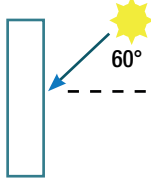


	Reflection Visible	Transmission Visible	Transmitted Energy	Reflected Energy	Absorbed Energy	TSER	SHGC
Low Iron Glass Laminates	8.1%	89.0%	82.7%	7.4%	9.8%	14.7%	0.85
Low Iron Glass Laminates With OPTOLITE™ IR Film	9.1%	87.6%	67.4%	22.3%	10.3%	29.9%	0.70

Improvement in SHGC = 18%

Solar Performance of Low Iron Laminated Glass: At 60° From Nominal

6.3 mm low iron glass/0.38 mm PVB/UCSF/0.38 mm PVB/6.3 mm low iron glass



	Reflection (Visible)	Transmission (Visible)	Transmitted (Energy)	Reflected (Energy)	Absorbed (Energy)	TSER	SHGC
Low Iron Glass Laminates	15.4%	81.1%	74.2%	14.2%	11.1%	22.8%	0.77
Low Iron Glass Laminates With OPTOLITE™ IR Film	16.4%	79.6%	56.6%	31.3%	12.2%	40.3%	0.60

Improvement in SHGC = 23%

Transmission Data on Low Iron Laminated Glass

