

## Plaskolite Duraplex® 30% I Impact Modified Acrylic Sheet

Category : Polymer , Thermoplastic , Acrylic (PMMA) , Acrylic, Impact Modified Sheet

### Material Notes:

Continuously processed acrylic sheet.Data provided by the manufacturer, Plaskolite, Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Plaskolite-Duraplex-30-I-Impact-Modified-Acrylic-Sheet.php](http://www.lookpolymers.com/polymer_Plaskolite-Duraplex-30-I-Impact-Modified-Acrylic-Sheet.php)

Physical Properties	Metric	English	Comments
Density	1.18 g/cc	0.0426 lb/in <sup>3</sup>	ASTM D792
Water Absorption	0.30 %	0.30 %	ASTM D570
Linear Mold Shrinkage	0.0030 - 0.0060 cm/cm	0.0030 - 0.0060 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	78	78	Method A; ASTM D785
Tensile Strength, Yield	62.0 MPa	8990 psi	ASTM D638
Tensile Modulus	2.60 GPa	377 ksi	ASTM D638
Flexural Yield Strength	94.0 MPa	13600 psi	ASTM D790
Izod Impact, Notched	0.600 J/cm	1.12 ft-lb/in	ASTM D256
	0.200 J/cm @Temperature -18.0 °C	0.375 ft-lb/in @Temperature -0.400 °F	ASTM D256
Gardner Impact	1.90 J	1.40 ft-lb	J; ASTM D3029-GB, unpainted

Thermal Properties	Metric	English	Comments
CTE, linear	54.0 µm/m-°C @Temperature -18.0 - 38.0 °C	30.0 µin/in-°F @Temperature -0.400 - 100 °F	ASTM D696
Deflection Temperature at 1.8 MPa (264 psi)	149 °C	300 °F	annealed; ASTM D648

Optical Properties	Metric	English	Comments
Haze	2.0 %	2.0 %	ASTM D1003
Transmission, Visible	92 %	92 %	ASTM D1003

## **Contact Songhan Plastic Technology Co.,Ltd.**

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