

Plaskolite West Optix® CP - 61 General Purpose Acrylic Resin

Category : Polymer , Thermoplastic , Acrylic (PMMA) , Acrylic, General Purpose, Molded , Acrylic, Optical Grade, Molded

Material Notes:

Generally unaffected by alkalis, hydrocarbons, non-oxidizing acids, and salt water. Transparent, translucent, opaque, and custom colors in various grades of melt flow rate and heat resistance are available. Information provided by Plaskolite West, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Plaskolite-West-Optix-CP-61-General-Purpose-Acrylic-Resin.php

Physical Properties	Metric	English	Comments
Density	1.19 g/cc	0.0430 lb/in ³	ASTM D-792
Water Absorption	0.30 %	0.30 %	ASTM D-570
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM D-955
Melt Flow	5.8 g/10 min @Load 3.80 kg, Temperature 230 °C	5.8 g/10 min @Load 8.38 lb, Temperature 446 °F	ASTM D-1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell M	86	86	ASTM D-785
Tensile Strength	66.2 MPa	9600 psi	ASTM D-638
Elongation at Break	3.4 %	3.4 %	ASTM D-638
Modulus of Elasticity	3.07 GPa	445 ksi	ASTM D-638
Flexural Strength	89.6 MPa	13000 psi	ASTM D-790
Izod Impact, Notched	0.214 J/cm @Thickness 6.35 mm	0.400 ft-lb/in @Thickness 0.250 in	ASTM D-256
Gardner Impact	0.339 J @Thickness 3.17 mm	0.250 ft-lb @Thickness 0.125 in	Falling Weight; ASTM D-3029 GB

Thermal Properties	Metric	English	Comments
CTE, linear	60.0 µm/m-°C	33.3 µin/in-°F	ASTM D-696
Maximum Service Temperature, Air	50.0 °C	122 °F	UL-746 ABC
Deflection Temperature at 1.8 MPa (264 psi)	91.1 °C	196 °F	ASTM D-648
Vicat Softening Point	102 °C	216 °F	ASTM D-1525

Flammability 18 94 Thermal Properties	HB Metric	HB English	Comments
--	--------------	---------------	----------

Optical Properties	Metric	English	Comments
--------------------	--------	---------	----------

Haze	<= 1.0 %	<= 1.0 %	ASTM D-1003
Transmission, Visible	92 %	92 %	ASTM D-1003

Descriptive Properties	Value	Comments
------------------------	-------	----------

3-Year Weathering	Listed	SAE J 576 (AMECA)
-------------------	--------	-------------------

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China