



Optix® CP-75 HID

Plaskolite, Inc. - Polymethyl Methacrylate Acrylic

Sunday, November 3, 2019

General Information

General

Material Status	• Commercial: Active
Availability	• Europe • North America
Uses	• Lighting Fixtures
Forms	• Pellets

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.19		ASTM D792
Melt Mass-Flow Rate (230°C/3.8 kg)	3.4	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	10300	psi	ASTM D638
Flexural Modulus	413000	psi	ASTM D790
Flexural Strength	16400	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.40	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	212	°F	ASTM D648
Vicat Softening Temperature	235	°F	ASTM D1525
Optical	Nominal Value	Unit	Test Method
Refractive Index	1.490		ASTM D542
Transmittance	92.0	%	ASTM D1003

Notes

¹ Typical properties: these are not to be construed as specifications.