



Optix® CA-42

Plaskolite, Inc. - Polymethyl Methacrylate Acrylic

Sunday, November 3, 2019

General Information

General

Material Status	• Commercial: Active	
Availability	• Europe	• North America

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate	4.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	2.0E-3 to 6.0E-3	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	5800	psi	ASTM D638
Tensile Elongation (Break)	2.4	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.30	ft·lb/in	ASTM D256
Gardner Impact ² (0.125 in)	2.00	in·lb	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed	158	°F	
Vicat Softening Temperature	168	°F	ASTM D1525
CLTE - Flow (-22 to 86°F)	3.3E-5	in/in/°F	ASTM D696

Notes

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

² Geometry GB