



Optix® CA-81 UVA

Plaskolite, Inc. - Polymethyl Methacrylate Acrylic

Sunday, November 3, 2019

General Information

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

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate	2.2	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 Modulus	500000	psi	ASTM D638
Tensile Strength	9700	psi	ASTM D638
Tensile Elongation (Break)	4.0	%	ASTM D638
Flexural Strength	16100	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.35	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 264 psi, Unannealed	208	°F	ASTM D648
Vicat Softening Temperature	225	°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