



Optix® CA-1000 E

Plaskolite, Inc. - Polymethyl Methacrylate Acrylic

Sunday, November 3, 2019

General Information

General

Material Status	• Commercial: Active	
Availability	• Europe	• North America
Automotive Specifications	• SAE J576	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate	1.1	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	255000	psi	ASTM D638
Tensile Strength	6510	psi	ASTM D638
Tensile Elongation (Break)	38	%	ASTM D638
Flexural Strength	8890	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.2	ft-lb/in	ASTM D256
Gardner Impact ² (0.125 in)	56.0	in-lb	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	176	°F	ASTM D648
Vicat Softening Temperature	227	°F	ASTM D1525
CLTE - Flow (-22 to 86°F)	6.7E-5	in/in/°F	ASTM D696

Notes

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

² Geometry GB