



Optix® CA-927

Plaskolite, Inc. - Polymethyl Methacrylate Acrylic

Sunday, November 3, 2019

General Information

General

Material Status	• Commercial: Active	
Availability	• Europe	• North America
Automotive Specifications	• CHRYSLER MS-DB-14 CPN2866 Color: BK-18 Black	• SAE J576

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate	4.5	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	290000	psi	ASTM D638
Tensile Strength	7300	psi	ASTM D638
Tensile Elongation (Break)	5.3	%	ASTM D638
Flexural Strength	11000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.90	ft-lb/in	ASTM D256
Gardner Impact ² (0.125 in)	27.0	in-lb	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	174	°F	ASTM D648
Vicat Softening Temperature	233	°F	ASTM D1525
CLTE - Flow (-22 to 86°F)	4.4E-5	in/in/°F	ASTM D696

Notes

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

² Geometry GB