

Optix® MS-983

Polymethyl Methacrylate Acrylic

Plaskolite, Inc.

Message:

Optix® MS-983 is a polymethyl methacrylate-acrylic material. This product is available in North America or Europe.

General Information			
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR)	1.8	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.20 - 0.60	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3380	MPa	ASTM D638
Tensile Strength	71.0	MPa	ASTM D638
Tensile Elongation (Break)	4.2	%	ASTM D638
Flexural Modulus	3380	MPa	ASTM D790
Flexural Strength	117	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	> 11	J/m	ASTM D256
Dart Drop Impact ¹ (3.18 mm)	0.339	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	95.0	°C	ASTM D648
Vicat Softening Temperature	102	°C	ASTM D1525
CLTE - Flow (-30 to 30°C)	6.0E-5	cm/cm/°C	ASTM D696
NOTE			

1. Geometry GB

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Recommended distributors for this material

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