

Optix® CA-51 FDA

Polymethyl Methacrylate Acrylic

Plaskolite, Inc.

Message:

Optix® CA-51 FDA 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)	15	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.20 - 0.60	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2890	MPa	ASTM D638
Tensile Strength	55.8	MPa	ASTM D638
Tensile Elongation (Break)	2.6	%	ASTM D638
Flexural Modulus	2980	MPa	ASTM D790
Flexural Strength	102	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	16	J/m	ASTM D256
Dart Drop Impact ¹ (3.18 mm)	0.226	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	75.6	°C	ASTM D648
Vicat Softening Temperature	93.9	°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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