

Toyolac™ 950 ME1 MABS

TECHNICAL DATA

Product Description

Medical, Chemical resistant

Uses	• Hospital Goods	• Medical/Healthcare Applications
Appearance	• Clear/Transparent	
Processing Method	• Film Extrusion	• Injection Molding
		• Sheet Extrusion
ISO Designation	• >MABS<	
Type	• ABS/Transparent	

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.09	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	18	g/10 min	ISO 1133
Molding Shrinkage ¹	0.40 to 0.60	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	50	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	14	%	ISO 527-2
Flexural Modulus (23°C)	2180	MPa	ISO 178
Flexural Stress (23°C)	71	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	14.0	kJ/m ²	ISO 179
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	110		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	75	°C	ISO 75-2/A
Vicat Softening Temperature	80 to 85	°C	
Flammability	Nominal Value	Unit	Test Method
Flame Rating ² (1.5 mm)	HB		Internal Method
Optical	Nominal Value	Unit	Test Method
Light Transmittance ³ (Total)	86.0	%	ISO 13468
Haze ³	3.00	%	ISO 14782

Notes

¹ 23°C/50%RH

² UL94

³ 23°C/50%RH, 3mm thickness

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