

Toyolac® 950 ME2 MABS

TECHNICAL DATA

Product Description

Type:

- Transparent

Features:

- Medical, High chemical resistant

Features	• Chemical Resistant		
Uses	• Hospital Goods	• Medical/Healthcare Applications	
Agency Ratings	• DMF 30280	• ISO 10993 Part 11	• ISO 10993 Part 5
	• ISO 10993 Part 10	• ISO 10993 Part 4	• USP Class VI
Appearance	• Clear/Transparent		
Processing Method	• Film Extrusion	• Injection Molding	• Sheet Extrusion
ISO Designation	• >MABS<		

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.09	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	7.0	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)	53.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	13	%	ISO 527-2
Flexural Modulus (23°C)	2.34	GPa	ISO 178
Flexural Stress (23°C)	74.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m²	ISO 179
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	110		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	75.0	°C	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.200 mm)	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Light Transmittance ¹ (Total, 3000 µm)	86.0	%	ISO 13468
Haze ¹ (3000 µm)	3.00	%	ISO 14782

Notes

¹ 23°C/50%RH

