

Toyolac® 950 X01 MABS

TECHNICAL DATA

Product Description

Type:

- Transparent

Features:

- Chemical resistant

Features	• Chemical Resistant		
Uses	• Camera Applications • Cosmetics	• Kitchenware • Office Automation Equipment	• Toys • White Goods & Small Appliances
Appearance	• Clear/Transparent		
Processing Method	• Extrusion • 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)	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)	50.0	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	14	%	ISO 527-2
Flexural Modulus (23°C)	2.18	GPa	ISO 178
Flexural Stress (23°C)	71.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	14	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
Vicat Softening Temperature	80.0 to 85.0	°C	
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



tries, Inc.

