

Toyolac™ 910 X01 U MABS

TECHNICAL DATA

Product Description

Scratch resistant

Uses	• Cosmetics	• Writing Instruments
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)	1.10	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	28	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)	57	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	13	%	ISO 527-2
Flexural Modulus (23°C)	2630	MPa	ISO 178
Flexural Stress (23°C)	85	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.0	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	78	°C	ISO 75-2/A
Vicat Softening Temperature	85 to 90	°C	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.5 mm)	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Light Transmittance ² (Total)	87.0	%	ISO 13468
Haze ²	3.00	%	ISO 14782

Notes

¹ 23°C/50%RH

² 23°C/50%RH, 3mm thickness

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