

Toyolac™ 900 352 U

MABS

TECHNICAL DATA

Product Description

Medium impact

Uses	- Automotive Interior Parts - Camera Applications - Cell Phones	- Cosmetics - Fishing Applications - Toys	- White Goods & Small Appliances - Writing Instruments
Appearance	Clear/Transparent		
Processing Method	- Extrusion - Film Extrusion	- Injection Molding - Sheet Extrusion	
ISO Designation	>MABS<		
Type	ABS/Transparent		

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.08	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)	48	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	15	%	ISO 527-2
Flexural Modulus (23°C)	1870	MPa	ISO 178
Flexural Stress (23°C)	66	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12.0	kJ/m ²	ISO 179
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	108		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	76	°C	ISO 75-2/A
Vicat Softening Temperature	90	°C	
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.3 mm)	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Light Transmittance ² (Total)	86.0	%	ISO 13468
Haze ²	2.00	%	ISO 14782

Notes

¹ 23°C/50%RH

² 23°C/50%RH, 3mm thickness

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