

Toyolac™ 990 X88 MABS

TECHNICAL DATA

Product Description

High flow, High impact

Uses	- Camera Applications - Cell Phones	- Cosmetics - 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)	1.09	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	26	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)	47	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	15	%	ISO 527-2
Flexural Modulus (23°C)	2200	MPa	ISO 178
Flexural Stress (23°C)	69	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12.0	kJ/m²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	75	°C	ISO 75-2/A
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.5 mm)	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Light Transmittance ²	89.0	%	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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