

Toyolac™ TP90 X02 U MABS

TECHNICAL DATA

Product Description

Transparent

Uses

- Furniture
- Office Automation Equipment
- Packaging
- Printer
- Structural Parts
- Television Housings
- Transparent or Translucent Parts
- White Goods & Small Appliances
- Writing Instruments

Appearance

- Clear/Transparent

Processing Method

- Film Extrusion
- Injection Molding
- Sheet Extrusion

ISO Designation

- >MABS<

Type

- ABS/Durable anti-static

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.11	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	26	g/10 min	ISO 1133
Molding Shrinkage ¹	0.50 to 0.70	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	48	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	10	%	ISO 527-2
Flexural Modulus (23°C)	1840	MPa	ISO 178
Flexural Stress (23°C)	65	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10.0	kJ/m ²	ISO 179
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+11	ohms	ASTM D257
Electrostatic Voltage ²	800	V	Internal Method
Half-life of Electrostatic Voltage Decay ²	0.5	sec	Internal Method
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.5 mm)	HB		UL 94
Optical	Nominal Value	Unit	Test Method
Light Transmittance ³	80.0	%	ISO 13468
Haze ³	6.00	%	ISO 14782

Notes

¹ 23°C/50%RH

² 23°C,50%,24hr

³ 23°C/50%RH, 3mmt

Toray Industries, Inc.

