

Toyolac™ PX10 X06 U PC+ABS

TECHNICAL DATA

Product Description

ABS/PC Alloy

Uses

- Automotive Applications
- Automotive Exterior Parts
- Automotive Interior Parts
- Cell Phones
- Computer Components
- Luggage
- Office Automation Equipment
- Switches

Processing Method

- Injection Molding

ISO Designation

- >PC+ABS<

Type

- ABS/Alloy

ASTM & ISO Properties

Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.15	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	15	g/10 min	ISO 1133
Molding Shrinkage ¹	0.40 to 0.70	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (23°C)	59	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	50	%	ISO 527-2
Flexural Modulus (23°C)	2140	MPa	ISO 178
Flexural Stress (23°C)	87	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	48.0	kJ/m²	ISO 179
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	114		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 1.8 MPa, Unannealed	116	°C	ISO 75-2/A
Vicat Softening Temperature	115	°C	
CLTE - Flow	8.0	cm ⁻⁵ /cm/°C	ASTM D696
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.5 mm)	HB		UL 94

Notes

¹ 23°C/50%RH

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