

Toyolac™ PX10 X07 U

Toray Industries, Inc. - Polycarbonate + ABS

General Information

Product Description

ABS/PC Alloy

General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• High Heat Resistance	• Low Temperature Impact Resistance	
Uses	• Automotive Applications • Automotive Exterior Parts • Automotive Interior Parts	• Consumer Applications • Electrical/Electronic Applications • Office Automation Equipment	• Switches
Processing Method	• Injection Molding		
ISO Designation	• >PC+ABS<		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	1.12	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (240°C/10.0 kg)	29	g/10 min	ISO 1133
Molding Shrinkage ²	0.40 to 0.70	%	Internal Method
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (73°F)	8270	psi	ISO 527-2
Tensile Strain (Break, 73°F)	50	%	ISO 527-2
Flexural Modulus (73°F)	316000	psi	ISO 178
Flexural Stress (73°F)	12200	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	29	ft·lb/in ²	ISO 179
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 73°F)	114		ISO 2039-2
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Unannealed)	214	°F	ISO 75-2/A
Vicat Softening Temperature	239	°F	
CLTE - Flow	4.4E-5	in/in/°F	ASTM D696
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	HB		UL 94

Notes

¹ Typical properties: these are not to be construed as specifications.

² 23°C/50%RH

