

Toyolac® PX10-X07

Polycarbonate + ABS

Toray Resin Company

Message:

Toyolac® PX10-X07 is a Polycarbonate + ABS (PC+ABS) product. It is available in Asia Pacific, Europe, or North America. Primary characteristic: flame rated.

General Information			
Part Marking Code	>PC+ABS<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.12	g/cm ³	ASTM D792
23°C	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	0.40 to 0.70	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	114		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	52.0	MPa	ASTM D638
23°C	57.0	MPa	ISO 527-2
Tensile Elongation			
Break	50	%	ASTM D638
Break, 23°C	50	%	ISO 527-2
Flexural Modulus			
--	2100	MPa	ASTM D790
23°C	2180	MPa	ISO 178
Flexural Strength			
--	79.0	MPa	ASTM D790
23°C	84.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	60	kJ/m ²	ISO 179
Notched Izod Impact			ASTM D256
-30°C, 3.20 mm	120	J/m	
23°C, 3.20 mm	580	J/m	
23°C, 12.7 mm	330	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
1.8 MPa, Unannealed, 6.40 mm	108	°C	ASTM D648
1.8 MPa, Unannealed	101	°C	ISO 75-2/A

Vicat Softening Temperature	115	°C	
CLTE - Flow	8.0E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94

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