

Toyolac® TP50-X03

Polycarbonate + ABS

Toray Resin Company

Message:

Toyolac® TP50-X03 is a Polycarbonate + ABS (PC+ABS) product. It is available in Asia Pacific, Europe, or North America.

Characteristics include:

Heat Resistant

Impact Resistant

General Information			
Features	High Impact Resistance		
	Medium Heat Resistance		
Part Marking Code	>PC+ABS<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity			
--	1.13	g/cm ³	ASTM D792
23°C	1.13	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	17	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	116		ASTM D785, ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
--	55.0	MPa	ASTM D638
23°C	60.0	MPa	ISO 527-2
Tensile Elongation			
Break	10	%	ASTM D638
Break, 23°C	50	%	ISO 527-2
Flexural Modulus			
--	2250	MPa	ASTM D790
23°C	2360	MPa	ISO 178
Flexural Strength			
--	83.0	MPa	ASTM D790
23°C	91.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	80	kJ/m ²	ISO 179
Notched Izod Impact (23°C, 12.7 mm)	140	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	103	°C	ASTM D648
Electrical	Nominal Value	Unit	Test Method

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

