

Torayca® TLP5040

Acrylonitrile Butadiene Styrene

Toray Resin Company

Message:

Torayca® TLP5040 is an Acrylonitrile Butadiene Styrene (ABS) product filled with 20% long carbon fiber. It is available in Asia Pacific, Europe, or North America. Primary characteristic: flame rated.

General Information			
Filler / Reinforcement	Long Carbon Fiber,20% Filler by Weight		
Part Marking Code	>ABS-CF20<		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.14	g/cm ³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow : 3.00 mm ¹	0.10	%	
Flow : 3.00 mm ²	0.10	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (23°C)	150	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	1.5	%	ISO 527-2
Flexural Modulus (23°C)	15000	MPa	ISO 178
Flexural Stress (23°C)	190	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	108	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	0.10	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
NOTE			
1.	80x80x3		
2.	80x80x3mm		

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