

Torayca® TLP8148

Polypropylene
Toray Resin Company

Message:

Torayca® TLP8148 is a Polypropylene 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	>PP-CF20<		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.00	g/cm ³	ISO 1183
Molding Shrinkage			Internal Method
Across Flow : 3.00 mm ¹	0.30	%	
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)	2.0	%	ISO 527-2
Flexural Modulus (23°C)	11000	MPa	ISO 178
Flexural Stress (23°C)	220	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	11	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	159	°C	ISO 75-2/A
Melting Temperature	163	°C	DSC
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+2 to 1.0E+3	ohms·cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
NOTE			
1.	80x80x3		
2.	80x80x3mm		

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

