

RTP VLF 80109 CC

Polypropylene

RTP Company

Message:

Long Glass Fiber - Chemically Coupled

General Information			
Filler / Reinforcement	Long glass fiber, 50% filler by weight		
Features	Chemical coupling		
RoHS Compliance	Contact manufacturer		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.33	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.20 mm)	0.10 - 0.30	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	11700	MPa	ASTM D638
Tensile Strength	124	MPa	ASTM D638
Tensile Elongation (Yield)	1.5 - 2.5	%	ASTM D638
Flexural Modulus	10300	MPa	ASTM D790
Flexural Strength	200	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (3.20 mm)	290	J/m	ASTM D256
Unnotched Izod Impact (3.20 mm)	960	J/m	ASTM D4812
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	154	°C	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.50 mm, ** Values per RTP Company testing.)	HB		UL 94
Additional Information	Nominal Value	Unit	Test Method
Primary Additive	50	%	
Injection	Nominal Value	Unit	Test Method
Drying Temperature	79.4	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	232 - 260	°C	
Mold Temperature	37.8 - 76.7	°C	
Injection Pressure	68.9 - 103	MPa	
Injection instructions			

Use a reverse barrel profile. To maximize fiber length, the following injection barrel, screw, and tip designs should be followed. L/D ratio 16/1 - 22/1, Compression ratio 2:1, Flight depth 0.200 in (5 mm) minimum, in feed section, Screw diameter 0.65 - 0

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

