

RheTech Polypropylene F37-01UV

Polypropylene

RheTech, Inc.

Message:

40% Glass Fiber / Mineral Co-Reinforced, Chemically Coupled, UV Stabilized, Polypropylene, Black.

General Information			
Filler / Reinforcement	Glass \mineral, 40% filler by weight		
Additive	UV stabilizer		
Features	Chemical coupling		
	Good UV resistance		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	79		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	53.8	MPa	ASTM D638
Flexural Modulus	5690	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	48	J/m	ASTM D256
Dart Drop Impact	0.452	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	156	°C	ASTM D648
1.8 MPa, not annealed	135	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	65.6 - 82.2	°C	
Drying Time	1.0 - 2.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	210 - 238	°C	
Middle Temperature	216 - 243	°C	
Front Temperature	221 - 249	°C	
Nozzle Temperature	227 - 238	°C	
Mold Temperature	26.7 - 48.9	°C	
Injection Pressure	2.76 - 10.3	MPa	

Holding Pressure	2.07 - 8.27	MPa
Back Pressure	0.345 - 1.03	MPa
Injection instructions		

Injection Speed: Variable - Application DependantScrew RPM: Recovery 3 seconds before mold opensCycle Time: Wall Thickness Dependant

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

