

RheTech Polypropylene G10UP100-01

Polypropylene

RheTech, Inc.

Message:

10% Glass Fiber Reinforced, Polypropylene, Black, UL94-HB Rated.

General Information			
UL YellowCard	E87919-252350		
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.978	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	12	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	71		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	55.8	MPa	ASTM D638
Flexural Modulus	2480	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	37	J/m	ASTM D256
Dart Drop Impact	0.339	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	150	°C	ASTM D648
1.8 MPa, not annealed	121	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
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	193 - 221	°C	
Middle Temperature	199 - 227	°C	
Front Temperature	204 - 232	°C	
Nozzle Temperature	210 - 221	°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

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Recommended distributors for this material

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