

RheTech Polypropylene GC10P200-819UVBG

Polypropylene Copolymer

RheTech, Inc.

Message:

10% Glass Fiber Reinforced, Chemically Coupled, UV Stabilized, Polypropylene Copolymer, 167A Ebony, Blow Molding Grade

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Additive	UV stabilizer		
Features	Copolymer		
	Chemical coupling		
	Good UV resistance		
Appearance	Black		
Processing Method	Blow molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.968	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	72		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	35.2	MPa	ASTM D638
Flexural Modulus	2450	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	120	J/m	ASTM D256
Dart Drop Impact	2.82	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	141	°C	ASTM D648
1.8 MPa, not annealed	90.0	°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	188 - 216	°C	
Middle Temperature	193 - 221	°C	
Front Temperature	199 - 227	°C	
Nozzle Temperature	188 - 227	°C	
Mold Temperature	26.7 - 82.2	°C	

Injection Pressure	2.76 - 10.3	MPa
Injection Rate	Slow-Moderate	
Holding Pressure	2.07 - 8.27	MPa
Back Pressure	0.00 - 0.689	MPa

Injection instructions

Injection Speed: Slow to ModerateScrew RPM: Screw Recovery 3 seconds Before Mold OpensCycle Time: Variable, Part Design Dependent

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Recommended distributors for this material

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