

RheTech Polypropylene GC10P205-08UV

Polypropylene Copolymer

RheTech, Inc.

Message:

10% Glass Fiber Reinforced, Chemically Coupled, UV Stabilized, Polypropylene Copolymer, Black, FDA Compliant

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Additive	UV stabilizer		
Features	Copolymer		
	Chemical coupling		
	Good UV resistance		
Agency Ratings	FDA not rated		
Appearance	Black		
Processing Method	Blow molding		
	Injection 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)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	64		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	42.1	MPa	ASTM D638
Flexural Modulus	2170	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	80	J/m	ASTM D256
Dart Drop Impact	1.69	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	128	°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	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: Varialbe - 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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