

RheTech Polypropylene GC30P250-01UVEG

Polypropylene Copolymer

RheTech, Inc.

Message:

30% Glass Fiber Reinforced, Chemically Coupled, UV Stabilized, Polypropylene Copolymer, Black, Extrusion Grade

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	UV stabilizer		
Features	Copolymer		
	Chemical coupling		
	Good UV resistance		
Appearance	Black		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.12	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.2	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	75		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	62.1	MPa	ASTM D638
Flexural Modulus	5170	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	150	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	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	188 - 216	°C	
Middle Temperature	193 - 221	°C	
Front Temperature	199 - 227	°C	
Nozzle Temperature	204 - 216	°C	
Mold Temperature	26.7 - 48.9	°C	

Injection Pressure	2.76 - 10.3	MPa
Injection Rate	Slow-Moderate	
Holding Pressure	2.07 - 8.27	MPa
Back Pressure	0.00 - 0.345	MPa

Injection instructions

Injection Speed: Slow to ModerateScrew RPM: 50, recovery 3 seconds before mold opensCycle Time: Variable - Wall thickness dependent

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Recommended distributors for this material

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