

RheTech Polypropylene CS30P100-01UV

Polypropylene

RheTech, Inc.

Message:

30% Ceramic Sphere Reinforced, UV Stabilized, Polypropylene, Black.

General Information			
Filler / Reinforcement	Ceramic bead packing, 30% packing by weight		
Additive	UV stabilizer		
Features	Good UV resistance		
Appearance	Black		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.15	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	73		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	22.1	MPa	ASTM D638
Flexural Modulus	1720	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	27	J/m	ASTM D256
Dart Drop Impact	0.791	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	90.6	°C	ASTM D648
1.8 MPa, not annealed	54.4	°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	204 - 232	°C	
Middle Temperature	210 - 238	°C	
Front Temperature	216 - 243	°C	
Nozzle Temperature	221 - 232	°C	
Mold Temperature	26.7 - 48.9	°C	
Injection Pressure	55.2 - 103	MPa	
Holding Pressure	27.6 - 51.7	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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