

RheTech Polypropylene T15P200-01BG

Polypropylene Copolymer

RheTech, Inc.

Message:

15% Talc Reinforced, Polypropylene Copolymer, Black, Blow Molding Grade

General Information			
Filler / Reinforcement	Talc filler, 15% filler by weight		
Features	Copolymer		
Appearance	Black		
Processing Method	Blow molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.01	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.70	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	70		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	30.3	MPa	ASTM D638
Flexural Modulus	1860	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	100	J/m	ASTM D256
Dart Drop Impact	13.6	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	113	°C	ASTM D648
1.8 MPa, not annealed	62.2	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	82.2	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.050	%	
Rear Temperature	196 - 207	°C	
Middle Temperature	188 - 199	°C	
Front Temperature	171 - 182	°C	
Nozzle Temperature	193 - 204	°C	
Mold Temperature	26.7 - 48.9	°C	
Injection Pressure	2.76 - 10.3	MPa	
Injection Rate	Moderate		
Holding Pressure	2.07 - 8.27	MPa	
Back Pressure	0.345 - 1.03	MPa	

Injection instructions

Injection Speed: moderateScrew RPM: recovery 3 seconds before mold opensCycle Time: variable, application dependent

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Recommended distributors for this material

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