

RheTech Polypropylene T20P100-01EG

Polypropylene

RheTech, Inc.

Message:

20% Talc Reinforced Polypropylene, General Purpose Black, Extrusion Grade

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Features	General		
Appearance	Black		
Processing Method	Extrusion		
	Injection molding		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	74		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	33.8	MPa	ASTM D638
Flexural Modulus	2410	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	43	J/m	ASTM D256
Dart Drop Impact	1.36	J	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	119	°C	ASTM D648
1.8 MPa, not annealed	68.3	°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	199 - 227	°C	
Middle Temperature	204 - 232	°C	
Front Temperature	210 - 238	°C	
Nozzle Temperature	216 - 227	°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
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Injection instructions

Injection Speed: Variable - Application DependantScrew RPM: Recovery 3 seconds before mold closesCycle Time: Wall Thickness Dependant

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