

RheTech Polypropylene HP515-00

Polypropylene Copolymer

RheTech, Inc.

Message:

10% Talc Reinforced, High Performance, Non-UV Stabilized, Polypropylene Copolymer, Natural

General Information			
Filler / Reinforcement	Talc filler, 10% filler by weight		
Features	Copolymer		
Appearance	Natural color		
Processing Method	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)	38	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	68		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	26.2	MPa	ASTM D638
Flexural Modulus	2030	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	59	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	126	°C	ASTM D648
1.8 MPa, not annealed	63.3	°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	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: Variable, Application DependentScrew RPM: Recovery 3 Seconds Before Mold OpensCycle Time: Wall Thickness Dependent

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