

PPR PPHO03

Polypropylene Homopolymer
Premier Plastic Resins, Inc.

Message:
Polypropylene Homopolymer 20% Talc Filled Natural

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Features	Homopolymer		
Appearance	Natural color		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.1	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	29.0	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus - Tangent	1900	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	32	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	104	°C	ASTM D648
1.8 MPa, not annealed	74.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	38.0 - 71.0	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	210 - 238	°C	
Middle Temperature	210 - 238	°C	
Front Temperature	204 - 243	°C	
Nozzle Temperature	210 - 238	°C	
Processing (Melt) Temp	204 - 249	°C	
Mold Temperature	27.0 - 60.0	°C	
Injection Pressure	5.00 - 55.0	MPa	
Injection Rate	Slow-Moderate		
Holding Pressure	3.00 - 45.0	MPa	

Back Pressure	0.00 - 1.00	MPa
Cushion	6.35 - 12.7	mm
Injection instructions		

Screw Speed: Slow-ModerateDecompression: 3.81 to 7.6 mm

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

