

PPR PPCO05

Polypropylene Copolymer
Premier Plastic Resins, Inc.

Message:
Polypropylene Copolymer 20% Talc Filled Black

General Information			
Filler / Reinforcement	Talc filler, 20% filler by weight		
Features	Copolymer		
Appearance	Black		
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)	26.2	MPa	ASTM D638
Tensile Elongation (Break)	15	%	ASTM D638
Flexural Modulus - Tangent	1790	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	75	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	99.0	°C	ASTM D648
1.8 MPa, not annealed	68.0	°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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

