

PPR PS02

High Impact Polystyrene
Premier Plastic Resins, Inc.

Message:

PPR PS02 is a high impact polystyrene product, which contains a 20% filler. It is available in North America. The main characteristics are: impact resistance.

General Information			
Filler / Reinforcement	Filler, 20% filler by weight		
Features	Impact resistance, high		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.04	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	23.4	MPa	ASTM D638
Flexural Modulus - Tangent	2070	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	78.9	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	68 - 74	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	204 - 260	°C	
Middle Temperature	232 - 266	°C	
Front Temperature	232 - 266	°C	
Nozzle Temperature	238 - 260	°C	
Processing (Melt) Temp	227 - 277	°C	
Mold Temperature	38 - 77	°C	
Injection Pressure	55.2 - 552	MPa	
Injection Rate	Moderate		
Holding Pressure	41.4 - 414	MPa	
Back Pressure	0.0689 - 3.45	MPa	
Cushion	6.35 - 12.7	mm	
Injection instructions			
Screw Speed: Slow to ModerateDecompression: .15 to .30 inches			

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

