

PPR PS01

General Purpose Polystyrene
Premier Plastic Resins, Inc.

Message:
PPR PS01 is a general-purpose polystyrene product. It is available in North America.

General Information			
Features	General		
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)	11	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	37.9	MPa	ASTM D638
Flexural Modulus - Tangent	3030	MPa	ASTM D790
Flexural Strength	55.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	21	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	87.8	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	77 - 88	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.020	%	
Rear Temperature	177 - 218	°C	
Middle Temperature	191 - 274	°C	
Front Temperature	191 - 274	°C	
Nozzle Temperature	191 - 274	°C	
Processing (Melt) Temp	204 - 288	°C	
Mold Temperature	10 - 71	°C	
Injection Pressure	34.5 - 276	MPa	
Injection Rate	Fast		
Holding Pressure	27.6 - 207	MPa	
Back Pressure	0.0689 - 3.45	MPa	
Cushion	6.35 - 12.7	mm	
Injection instructions			

Screw Speed: ModerateDecompression: .15 to .30 inches

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