

PPR HDPE02

High Density Polyethylene
Premier Plastic Resins, Inc.

Message:

High Density Polyethylene 8 Melt .950 Density Black Reprocessed

General Information			
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.948	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	2.0	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	21.4	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus - Tangent	828	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	68.0	°C	ASTM D648
1.8 MPa, not annealed	54.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	77.0 - 82.0	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.20	%	
Rear Temperature	188 - 232	°C	
Middle Temperature	188 - 232	°C	
Front Temperature	182 - 227	°C	
Nozzle Temperature	193 - 232	°C	
Processing (Melt) Temp	193 - 232	°C	
Mold Temperature	16.0 - 49.0	°C	
Injection Pressure	3.00 - 41.0	MPa	
Injection Rate	Moderate-Fast		
Holding Pressure	3.00 - 34.0	MPa	
Back Pressure	0.00 - 1.00	MPa	
Cushion	6.35 - 12.7	mm	
Injection instructions			
Screw Speed: ModerateDecompression: 3.81 to 7.6 mm			

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Recommended distributors for this material

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