

Multibase Multi-Pro® 1508 M Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Mica Filled, 15% by weight.Features:Rigidity, HighImpact Resistance, GoodForms:PelletsProcessing Methods:Injection

MoldingUses:Automotive ApplicationsInformation provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Pro-1508-M-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in³	ASTM D792
Linear Mold Shrinkage	0.010 cm/cm	0.010 in/in	ASTM D955
Melt Flow	8.5 g/10 min	8.5 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	34.6 MPa	5020 psi	ASTM D638
Elongation at Break	36 %	36 %	ASTM D638
Flexural Yield Strength	53.8 MPa	7800 psi	ASTM D790
Flexural Modulus	2.17 GPa	315 ksi	ASTM D790
Izod Impact, Notched	0.502 J/cm	0.940 ft-lb/in	73°F; ASTM D256
Gardner Impact	1.695 J	1.250 ft-lb	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	65.6 °C	150 °F	Unannealed; ASTM D648

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	216 - 260 °C	420 - 500 °F	
Middle Barrel Temperature	216 - 260 °C	420 - 500 °F	
Front Barrel Temperature	221 - 260 °C	430 - 500 °F	
Nozzle Temperature	216 - 249 °C	420 - 480 °F	
Mold Temperature	4.44 - 65.6 °C	40.0 - 150 °F	
Drying Temperature	93.3 °C	200 °F	
Dry Time			

Processing Properties	2 hour Metric	2 hour English	Comments
Back Pressure	0.138 - 0.345 MPa	20.0 - 50.0 psi	
Screw Speed	40 - 100 rpm	40 - 100 rpm	

Descriptive Properties	Value	Comments
Clamp Tonnage	2-4 tons/in ²	
Screw L/D Ratio	20:1	

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