

Multibase Multi-Pro® 2510 XGW Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Mineral Filled, 27% by weight.Features:Gloss, HighForms:PelletsProcessing Methods:Injection MoldingInformation provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Pro-2510-XGW-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in ³	ASTM D792
Melt Flow	14 g/10 min	14 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	23.5 MPa	3410 psi	ASTM D638
Elongation at Break	220 %	220 %	ASTM D638
Flexural Yield Strength	34.5 MPa	5000 psi	ASTM D790
Flexural Modulus	1.37 GPa	199 ksi	ASTM D790
Izod Impact, Notched	0.577 J/cm	1.08 ft-lb/in	73°F; ASTM D256
Gardner Impact	11.07 J	8.167 ft-lb	ASTM D3029

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	193 - 221 °C	380 - 430 °F	
Middle Barrel Temperature	193 - 232 °C	380 - 450 °F	
Front Barrel Temperature	199 - 232 °C	390 - 450 °F	
Nozzle Temperature	193 - 227 °C	380 - 440 °F	
Mold Temperature	4.44 - 65.6 °C	40.0 - 150 °F	
Drying Temperature	93.3 °C	200 °F	
Dry Time	2 hour	2 hour	
Back Pressure	0.138 - 0.345 MPa	20.0 - 50.0 psi	
Screw Speed	40 - 100 rpm	40 - 100 rpm	

Descriptive Properties	Value	Comments
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Clamp Tonnage

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

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