

Multibase Multi-Pro® 4518 CUW Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Calcium Carbonate Filler, 45% by weight. Forms: Pellets Processing Methods: Injection Molding Information provided by Multibase

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Pro-4518-CUW-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	1.35 g/cc	0.0488 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0090 cm/cm	0.0090 in/in	ASTM D955
Melt Flow	18 g/10 min	18 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	18.6 MPa	2700 psi	ASTM D638
Elongation at Break	300 %	300 %	ASTM D638
Flexural Yield Strength	35.9 MPa	5200 psi	ASTM D790
Flexural Modulus	2.59 GPa	375 ksi	ASTM D790
Izod Impact, Notched	0.481 J/cm	0.900 ft-lb/in	73°F; ASTM D256

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	188 - 216 °C	370 - 420 °F	
Middle Barrel Temperature	199 - 232 °C	390 - 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	

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