

Multibase Multi-Pro® 2005 M 20% Mica Filled Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 20% Mica Filler

Material Notes:

Multi-Pro 2005 M is a mica reinforced polypropylene compound with high stiffness and flex strength. Its high heat resistance lends itself to replace engineered plastics at moderate cost. Data provided by Multibase.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Pro-2005-M-20-Mica-Filled-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ASTM D792-91
Linear Mold Shrinkage	0.0080 cm/cm	0.0080 in/in	ASTM D955-89
Melt Flow	5.0 g/10 min	5.0 g/10 min	(Condition L) ASTM D-1238-94a

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	76	76	10 sec; ASTM D-2240-95
Tensile Strength, Ultimate	33.8 MPa	4900 psi	ASTM D638-95
Elongation at Break	10 %	10 %	ASTM D638-95
Flexural Strength	31.0 MPa	4500 psi	ASTM D790-92
Flexural Modulus	3.241 GPa	470.1 ksi	Method 1, Proc. B; ASTM D-790-95
Izod Impact, Notched	0.320 J/cm	0.599 ft-lb/in	ASTM D256-93a
Gardner Impact	0.500 J	0.369 ft-lb	ASTM D5420-93

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	127 °C	261 °F	ASTM D648-95
Deflection Temperature at 1.8 MPa (264 psi)	77.0 °C	171 °F	ASTM D648-95

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