

Multibase Multi-Pro® 4003 R Medium Impact 40% Glass Filled Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene with 40% Glass Fiber Filler

Material Notes:

Moisture content is 0.06%. Multi-Pro 4003 R is a glass reinforced polypropylene compound featuring extremely high stiffness and high impact resistance. Suitable for engineering applications and automotive heat resistant parts under the hood. Data provided by Multibase.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Pro-4003-R-Medium-Impact-40-Glass-Filled-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	ASTM D792-91
Melt Flow	3.0 g/10 min	3.0 g/10 min	(Condition L) ASTM D-1238-94a

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	77	77	10 sec; ASTM D-2240-95
Tensile Strength, Ultimate	54.5 MPa	7900 psi	ASTM D638-95
Elongation at Break	2.0 %	2.0 %	ASTM D638-95
Flexural Strength	69.0 MPa	10000 psi	ASTM D790-95
Flexural Modulus	5.517 GPa	800.2 ksi	Method 1, Proc. B; ASTM D-790-95
Izod Impact, Notched	0.640 J/cm	1.20 ft-lb/in	ASTM D256-93a
Gardner Impact	0.300 J	0.221 ft-lb	ASTM D5420-93

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	147 °C	297 °F	ASTM D648-95
Deflection Temperature at 1.8 MPa (264 psi)	140 °C	284 °F	ASTM D648-95

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