

Multibase Multi-Pro® 4008 RC Medium Impact 40% Glass Filled Polypropylene

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

Material Notes:

Multi-Pro 4008 RC is a chemically coupled glass reinforced polypropylene compound exhibiting highest flexural modulus, flex strength and high impact resistance. Heat resistance is high due to highly coupled glass fiber matrix. Data provided by Multibase.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Pro-4008-RC-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
Linear Mold Shrinkage	0.0020 cm/cm	0.0020 in/in	ASTM D955-89
Melt Flow	8.5 g/10 min	8.5 g/10 min	(Condition L) ASTM D-1238-94a

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	85	85	10 sec; ASTM D-2240-95
Tensile Strength, Ultimate	70.3 MPa	10200 psi	ASTM D638-95
Flexural Strength	113.3 MPa	16430 psi	ASTM D790-95
Flexural Modulus	6.345 GPa	920.3 ksi	Method 1, Proc. B; ASTM D-790-95
Izod Impact, Notched	0.800 J/cm	1.50 ft-lb/in	ASTM D256-93a

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	163 °C	325 °F	ASTM D648-95
Deflection Temperature at 1.8 MPa (264 psi)	146 °C	295 °F	ASTM D648-95

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