

Multibase Multi-Pro® 2005 XRC Black 20% Filler Content Polypropylene

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Multi-Pro 2005 XRC is specifically designed for injection molded electronic industrial uses. This product shows higher heat distortion and notched izod than typical glass filled polypropylene. This product is suitable for sonic welding, is UV stabilized, and has better than average moisture resistance compared to typical glass-filled compounds. Data provided by Multibase.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-Pro-2005-XRC-Black-20-Filler-Content-Polypropylene.php

Physical Properties	Metric	English	Comments
Density	1.07 g/cc	0.0387 lb/in ³	ASTM D792-91
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	ASTM D955-89
Melt Flow	7.0 g/10 min	7.0 g/10 min	(Condition L) ASTM D-1238-94a

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	46.0 MPa	6670 psi	ASTM D638-95
Flexural Strength	61.0 MPa	8850 psi	ASTM D790-92
Flexural Modulus	2.759 GPa	400.2 ksi	Method 1, Proc. B; ASTM D-790-95
Izod Impact, Notched	0.610 J/cm	1.14 ft-lb/in	ASTM D256-93a

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	68.0 °C	154 °F	ASTM D648-95
Deflection Temperature at 1.8 MPa (264 psi)	60.0 °C	140 °F	ASTM D648-95

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