

NCMT NanoPAC™ HG500 High Performance Polypropylene Nanocomposite

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Applications: Household Industry Electrical Appliances Information provided by Nano Composite Materials Technology Limited

Order this product through the following link:

http://www.lookpolymers.com/polymer_NCMT-NanoPAC-HG500-High-Performance-Polypropylene-Nanocomposite.php

Physical Properties	Metric	English	Comments
Density	0.950 g/cc	0.0343 lb/in ³	NCMT Method
Melt Flow	17 g/10 min @Load 2.16 kg, Temperature 230 °C	17 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	29.0 MPa	4210 psi	ASTM D638
Elongation at Break	<= 200 %	<= 200 %	ASTM D638
Tensile Modulus	1.60 GPa	232 ksi	ASTM D638
Izod Impact, Notched	0.300 J/cm	0.562 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	103 °C	217 °F	Deflection Temp.; ASTM D648

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