

NCMT NanoPAC™ HS404 High Performance Polypropylene Nanocomposite

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_NCMT-NanoPAC-HS404-High-Performance-Polypropylene-Nanocomposite.php

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in ³	NCMT Method
Melt Flow	50 g/10 min @Load 2.16 kg, Temperature 230 °C	50 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	24.0 MPa	3480 psi	ASTM D638
Elongation at Break	<= 60 %	<= 60 %	ASTM D638
Tensile Modulus	2.20 GPa	319 ksi	ASTM D638
Izod Impact, Notched	0.600 J/cm	1.12 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	120 °C	248 °F	Deflection Temp.; ASTM D648

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