

NCMT NanoPAC™ HS401 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-HS401-High-Performance-Polypropylene-Nanocomposite.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in³	NCMT Method
Melt Flow	60 g/10 min	60 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	19.0 MPa	2760 psi	ASTM D638
Elongation at Break	<= 60 %	<= 60 %	ASTM D638
Tensile Modulus	1.50 GPa	218 ksi	ASTM D638
Izod Impact, Notched	0.700 J/cm	1.31 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	105 °C	221 °F	Deflection Temp.; ASTM D648

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