

NCMT NanoPAC™ G3000 High Performance Polypropylene Nanocomposite

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Applications: Automobile Construction Material Information provided by Nano Composite Materials Technology Limited

Order this product through the following link:

http://www.lookpolymers.com/polymer_NCMT-NanoPAC-G3000-High-Performance-Polypropylene-Nanocomposite.php

Physical Properties	Metric	English	Comments
Density	1.09 g/cc	0.0394 lb/in ³	NCMT Method
Melt Flow	9.0 g/10 min @Load 2.16 kg, Temperature 230 °C	9.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	80.0 MPa	11600 psi	ASTM D638
Elongation at Break	7.0 %	7.0 %	ASTM D638
Tensile Modulus	6.00 GPa	870 ksi	ASTM D638
Izod Impact, Notched	0.540 J/cm	1.01 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	165 °C	329 °F	Deflection Temp.; ASTM D648

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