

NCMT NanoPAC™ G2050H High Performance Polypropylene Nanocomposite

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

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

Order this product through the following link:

http://www.lookpolymers.com/polymer_NCMT-NanoPAC-G2050H-High-Performance-Polypropylene-Nanocomposite.php

Physical Properties	Metric	English	Comments
Density	1.13 g/cc	0.0408 lb/in³	NCMT Method
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 230 °C	10 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	50.0 MPa	7250 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Tensile Modulus	5.70 GPa	827 ksi	ASTM D638
Izod Impact, Notched	0.480 J/cm	0.899 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	170 °C	338 °F	Deflection Temp.; ASTM D648

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