

NCMT NanoPAC™ N10 High Performance Polypropylene Nanocomposite

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Characteristics: Less shrinkage Solved distortion problem Good balance in impact and stiffness High gloss Reduce production

cycleApplications: Household Industry Electrical Appliances Toys IndustryInformation provided by Nano Composite Materials Technology

Limited

Order this product through the following link:

http://www.lookpolymers.com/polymer_NCMT-NanoPAC-N10-High-Performance-Polypropylene-Nanocomposite.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 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	25.0 MPa	3630 psi	ASTM D638
Elongation at Break	>= 100 %	>= 100 %	ASTM D638
Tensile Modulus	1.70 GPa	247 ksi	ASTM D638
Izod Impact, Notched	0.550 J/cm	1.03 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 °C	212 °F	Deflection Temp.; ASTM D648

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