

NCMT NanoPAC™ S212 High Performance Polypropylene Nanocomposite

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Characteristics: High stiffness Supplementary of ABS Good impact resistant Less shrinkage Good thermal conductivity Applications: Toys Industry Automobile Information provided by Nano Composite Materials Technology Limited

Order this product through the following link:

http://www.lookpolymers.com/polymer_NCMT-NanoPAC-S212-High-Performance-Polypropylene-Nanocomposite.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in³	NCMT Method
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 230 °C	8.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	20.0 MPa	2900 psi	ASTM D638
Elongation at Break	>= 500 %	>= 500 %	ASTM D638
Tensile Modulus	2.00 GPa	290 ksi	ASTM D638
Izod Impact, Notched	2.70 J/cm	5.06 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	110 °C	230 °F	Deflection Temp.; ASTM D648

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