

## NCMT NanoPAC™ N12 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 Toys IndustryInformation provided by Nano Composite Materials Technology Limited

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NCMT-NanoPAC-N12-High-Performance-Polypropylene-Nanocomposite.php](http://www.lookpolymers.com/polymer_NCMT-NanoPAC-N12-High-Performance-Polypropylene-Nanocomposite.php)

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in <sup>3</sup>	NCMT Method
Melt Flow	14 g/10 min @Load 2.16 kg, Temperature 230 °C	14 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	>= 500 %	>= 500 %	ASTM D638
Tensile Modulus	1.60 GPa	232 ksi	ASTM D638
Izod Impact, Notched	1.25 J/cm	2.34 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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