

## NCMT NanoPAC™ S206 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-S206-High-Performance-Polypropylene-Nanocomposite.php](http://www.lookpolymers.com/polymer_NCMT-NanoPAC-S206-High-Performance-Polypropylene-Nanocomposite.php)

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in <sup>3</sup>	NCMT Method
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 230 °C	2.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	16.0 MPa	2320 psi	ASTM D638
Elongation at Break	>= 1000 %	>= 1000 %	ASTM D638
Tensile Modulus	1.70 GPa	247 ksi	ASTM D638
Izod Impact, Notched	6.30 J/cm	11.8 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	105 °C	221 °F	Deflection Temp.; ASTM D648

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