

## NCMT NanoPAC™ S301 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: Electrical Appliances Automobile Information provided by Nano Composite Materials Technology Limited

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_NCMT-NanoPAC-S301-High-Performance-Polypropylene-Nanocomposite.php](http://www.lookpolymers.com/polymer_NCMT-NanoPAC-S301-High-Performance-Polypropylene-Nanocomposite.php)

Physical Properties	Metric	English	Comments
Density	1.14 g/cc	0.0412 lb/in <sup>3</sup>	NCMT Method
Melt Flow	16 g/10 min @Load 2.16 kg, Temperature 230 °C	16 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	26.0 MPa	3770 psi	ASTM D638
Elongation at Break	>= 160 %	>= 160 %	ASTM D638
Tensile Modulus	3.20 GPa	464 ksi	ASTM D638
Izod Impact, Notched	0.400 J/cm	0.749 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 °C	266 °F	Deflection Temp.; ASTM D648

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