

NCMT NanoPAC™ S201 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-S201-High-Performance-Polypropylene-Nanocomposite.php

| Physical Properties | Metric | English | Comments |
|---------------------|--|--|-------------|
| Density | 1.09 g/cc | 0.0394 lb/in ³ | NCMT Method |
| Melt Flow | 5.0 g/10 min @Load 2.16 kg, Temperature 230 °C | 5.0 g/10 min @Load 4.76 lb, Temperature 446 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|----------------------------|------------|---------------|-----------|
| Tensile Strength, Ultimate | 22.0 MPa | 3190 psi | ASTM D638 |
| Elongation at Break | >= 160 % | >= 160 % | ASTM D638 |
| Tensile Modulus | 2.20 GPa | 319 ksi | ASTM D638 |
| Izod Impact, Notched | 0.800 J/cm | 1.50 ft-lb/in | ASTM D256 |

| Thermal Properties | Metric | English | Comments |
|----------------------------------|--------|---------|-----------------------------|
| Maximum Service Temperature, Air | 115 °C | 239 °F | Deflection Temp.; ASTM D648 |

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