

## Nanocyl PLASTICYL™ PP2001 Polypropylene with 5 wt% Multi-Wall Carbon Nanotubes

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Carbon Fiber Filled

### Material Notes:

PLASTICYL™ is a family of Multi-Wall Carbon Nanotube (MWNT) thermoplastic concentrates for applications requiring superior electrical conductivity and electrostatic discharge (ESD) properties. PLASTICYL™ PP2001 is a conductive masterbatch based on polypropylene. Because of its low viscosity and high flow formulation, PLASTICYL™ PP2001 is ideal for standard injection molding and extrusion processes. Key Applications: ESD (Electrostatic Discharge) and electrically conductive parts E&E automotive and industrial Injection molding, extrusion Benefits: Electrical conductivity at low loading Retention of key mechanical properties Easier processing

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Nanocyl-PLASTICYL-PP2001-Polypropylene-with-5-wt-Multi-Wall-Carbon-Nanotubes.php](http://www.lookpolymers.com/polymer_Nanocyl-PLASTICYL-PP2001-Polypropylene-with-5-wt-Multi-Wall-Carbon-Nanotubes.php)

Physical Properties	Metric	English	Comments
Filler Content	5 %	5 %	Carbon Nanotube Loading
Melt Flow	1.1 g/10 min	1.1 g/10 min	ISO 1133:1997

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	38.2 MPa	5540 psi	ISO 527-1,2
Elongation at Break	16 %	16 %	ISO 527-1,2
Tensile Modulus	1.954 GPa	283.4 ksi	ISO 527-1,2
Charpy Impact, Notched	0.240 J/cm <sup>2</sup>	1.14 ft-lb/in <sup>2</sup>	ISO 180

Thermal Properties	Metric	English	Comments
Melting Point	165 °C	329 °F	Masterbatch; ISO 11357-1,-3

Electrical Properties	Metric	English	Comments
Volume Resistivity	11 ohm-cm	11 ohm-cm	CTM E043
Surface Resistivity per Square	41000 ohm	41000 ohm	CTM E042

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China