

## Nanocyl PLASTICYL™ HDPE1501 High Density Polyethylene - Carbon Nanotube Masterbatch

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

### 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™ HDPE1501 is a conductive masterbatch based on high density polyethylene. Because of its flow formulation, PLASTICYL™ HDPE1501 is ideal for standard injection molding and extrusion processes. Applications: ESD (Electrostatic Discharge) and electrically conductive parts E&E, automotive, 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-HDPE1501-High-Density-Polyethylene-Carbon-Nanotube-Masterbatch.php](http://www.lookpolymers.com/polymer_Nanocyl-PLASTICYL-HDPE1501-High-Density-Polyethylene-Carbon-Nanotube-Masterbatch.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.977 g/cc	0.977 g/cc	ISO 1183
Filler Content	14 - 16 %	14 - 16 %	Carbon Nanotube Loading
High Load Melt Index	<= 7.84 g/10 min @Load 20.0 kg, Temperature 260 °C	<= 7.84 g/10 min @Load 44.1 lb, Temperature 500 °F	4 mm; Non-standard Test

Thermal Properties	Metric	English	Comments
Melting Point	135 °C	275 °F	ISO 11357-1,-3

## Contact Songhan Plastic Technology Co.,Ltd.

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