

Nanocyl PLASTICYL™ PA1503 Polyamide 6 with 1 wt% of Multi-Wall Carbon Nanotubes

Category : Polymer , Thermoplastic , Nylon , Nylon 6 , Nylon 6, 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™ PA1503 is a conductive masterbatch based on polyamide 6. Because of its high flow formulation, PLASTICYL™ PA1503 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-PA1503-Polyamide-6-with-1-wt-of-Multi-Wall-Carbon-Nanotubes.php

Physical Properties	Metric	English	Comments
Filler Content	1 %	1 %	Carbon Nanotube Loading
Melt Flow	42.48 g/10 min @Load 1.20 kg, Temperature 280 °C	42.48 g/10 min @Load 2.65 lb, Temperature 536 °F	ISO 1133:1997

Thermal Properties	Metric	English	Comments
Melting Point	221 °C	430 °F	Masterbatch; ISO 11357-1,-3

Electrical Properties	Metric	English	Comments
Volume Resistivity	7.00e+8 ohm-cm	7.00e+8 ohm-cm	Approximate value obtained from graphical representation; CTM E043
Surface Resistivity per Square	6.00e+12 ohm	6.00e+12 ohm	Approximate value obtained from graphical representation; CTM E042

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