

Nanocyl PLASTICYL™ PBT1501 Polybutylene Terephthalate with 3 wt% Multi-Wall Carbon Nanotubes

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), 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™ PBT1501 is a conductive masterbatch based on polybutylene terephthalate. Because of its high flow formulation, PLASTICYL™ PBT1501 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-PBT1501-Polybutylene-Terephthalate-with-3-wt-Multi-Wall-Carbon-Nanotubes.php

Physical Properties	Metric	English	Comments
Filler Content	3 %	3 %	Carbon Nanotube Loading
Melt Flow	3.76 g/10 min @Load 2.16 kg, Temperature 250 °C	3.76 g/10 min @Load 4.76 lb, Temperature 482 °F	ISO 1133:1997

Thermal Properties	Metric	English	Comments
Melting Point	227 °C	441 °F	Masterbatch; ISO 11357-1,-3

Electrical Properties	Metric	English	Comments
Volume Resistivity	7000 ohm-cm	7000 ohm-cm	Approximate value obtained from graphical representation; CTM E043
Surface Resistivity per Square	400000 ohm	400000 ohm	Approximate value obtained from graphical representation; CTM E042

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