



THE CARBON NANOTUBE SPECIALIST

NANO-ENGINEER YOUR FUTURE

PLASTICYL

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## PLASTICYL™ PA1502 Technical Data Sheet

### General Information

#### Description

PLASTICYL™ is a family of Multi-Wall Carbon Nanotubes (MWNT) thermoplastic concentrates for applications requiring superior electrical conductivity and electrostatic discharge (ESD) properties. PLASTICYL™ PA1502 is a conductive masterbatch based on polyamide 12. Because of its high flow, PLASTICYL™ PA1502 is ideal for injection molding and extrusion processes.

#### Key Applications

- Electrostatic Discharge (ESD) and electrically conductive parts
- Electrical and Electronics (E&E) and industrial
- Injection molding, extrusion
- Automotive fuel tubing and connectors

#### Benefits

- Excellent electrical conductivity at low loading
- Retention of key mechanical properties
- Ease of processing
- High fuel resistance
- Meets SAE J1645 automotive standards

### Technical Data

#### Main Characteristics

CARBON NANOTUBES LOADING (%WT)	REAL DENSITY (G/L) ISO 1183	MFI (G/10 MIN) NON-STANDARD TEST : 300°C ; 15 KG ; 4 MM	MELTING POINT (°C) ISO 11357-1,-3
15 ± 1,0	1081	3,14	179

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## Commercial/Safety Information

### Packaging

- 5 kg boxes.
- 25 kg sealed bags.
- 600 kg octabins.

### Minimum Order Quantity

Nanocyl's minimum order quantity for PLASTICYL™ PA1502 is 5 kg.

### Custom Grades

Besides the commercial grades, Nanocyl is able to toll-compound any type of PA masterbatches to meet its clients' needs.

### Health and Safety

A Material Safety Data Sheets (MSDS) is available to provide both workers and emergency personnel with the proper procedures for handling or working with the PLASTICYL™ PA1502. This MSDS includes information such as physical data (form and color, melting point, etc.), handling and storage recommendations, first aid measures and ecological information. The Safety Data Sheet is provided with any order and should be observed.

## Disclaimer

This information is intended to be used only as a guideline for designers and users of modified thermoplastics. All information is believed to be accurate but is given without acceptance of liability. Users should make their own assessment of the suitability of the product for the purposes required. Properties may be materially affected by extrusion and molding parameters as well as by the shape and size of the part. No information supplied by Nanocyl constitutes a warranty regarding the product performance.

For technical assistance, sales or further information, please contact us :

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