

PLASTICYL™

CNT thermoplastic concentrates

PLASTICYL™ EVA2001

Ethylene Vinyl Acetate – carbon nanotubes masterbatches

General Information

Description

PLASTICYL™ is a family of multiwall carbon nanotubes (MWCNTs) thermoplastic concentrates for applications requiring superior electrical conductivity and electrostatic discharge (ESD) properties.

PLASTICYL™ EVA2001 is a conductive masterbatch based on Ethylene Vinyl Acetate (EVA) loaded with 20% of Nanocyl's MWCNTs (NC7000™). Because of its high flow, PLASTICYL™ EVA2001 is ideal for injection molding and extrusion processes.

Key Applications

- Electrostatic Discharge (ESD) and electrically conductive parts
- Electrical and Electronics (E&E), automotive and industrial
- Injection molding, extrusion
- Shipping supplies, packaging

Benefits

- Excellent electrical conductivity at low loading
- Retention of key mechanical properties
- Ease of processing

Technical Data

Main Characteristics

CARBON NANOTUBES LOADING (% _{WT})	REAL DENSITY (G/L) ISO 1183	MFI (G/10 MIN) NON-STANDARD TEST : 230°C ; 20 kg ; 4 mm	VA content
20 ± 1,0	-	6 ± 1,2	20

Commercial/Safety Information

Packaging

PLASTICYL™ EVA2001 masterbatches (pellets) are available in different packaging:

- 20 kg sealed white plastic bags,
- 600 kg cardboard octabins.

Minimum Order Quantity

Nanocyl's minimum order quantity for PLASTICYL™ EVA2001 is 20 kg.

Custom Grades

Besides the commercial grades, Nanocyl is able to toll-compound any type of EVA 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™ EVA2001. 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

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