

PECOAT® PTFE Micro Powder

- NV2506

PECOAT® PTFE micro powder NV2506 is a low molecular weight, micron-sized PTFE white ultrafine powder processed by a special method. It not only maintains the excellent properties of PTFE, such as chemical resistance, thermal stability, weather resistance, and temperature resistance, but also has many unique properties, such as high crystallinity, good dispersibility, and easy mixing with other materials in a uniform manner. Therefore, it is widely used in the modification of polymer materials to improve the lubricity, wear resistance, non-stickiness, and flame resistance of the substrate, significantly improving the performance of the substrate. In addition, it can also be used as a high-performance additive for the ink, coating, and plastic industries.

Typical Physical Data

Appearance:	White powder
Density:	0.45 g/ml
Particle size distribution (laser diffraction, volume distribution):	D50 <5.0 μ m D90 <10 μ m
Whiteness:	\geq 98
Specific surface area:	\sim 3 m ² /g
Melting point:	\sim 327 °C

Product Characteristic

- ✓ Excellent dispersibility, compatibility, and smoothness
- ✓ Improved chemical resistance and temperature resistance
- ✓ Improved non-stickiness, abrasion resistance, and scratch resistance
- ✓ Good self-lubricating performance, suitable for dry lubrication of sliding parts

Application Areas

- ✓ Plastic processing modified plastics, modified resins
- ✓ Additives for the coating industry, highly corrosion-resistant fluorocarbon coatings
- ✓ Ink for the printing industry, printer ink powder
- ✓ Non-stick coatings for the textile industry
- ✓ Military special materials and high value-added products

This information is based on the knowledge and experience currently possessed by our company. It is recommended to conduct preliminary tests on our products to determine whether their performance meets your expectations.

TECHNICAL DATA SHEET

Instructions for Use

Recommended dosage:

1. In the coating field, add 0.1%-1.0% in the early stage of production and mix at high speed to achieve the best dispersibility;
2. In the engineering plastics field, add according to product requirements or consult the technical department of our company.

The product is easy to disperse and can generally be dispersed using a conventional mixer. For difficult-to-disperse systems, a high-shear mixer (such as a three-roll mill, high-speed disperser, or sand mill) can be used for dispersion.

Packaging and Precautions

- ✓ Environmentally friendly moisture-proof paper drum,inside with a PE plastic bag
- ✓ Net weight of each drum is 25 kg
- ✓ Store in a cool and dry place, and avoid severe vibration and high-temperature exposure during transportation



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