



### Product Introduction

Ultra-fine powdered PTFE wax

### Chemical composition

PTFE

### Technical data

|                              |                   |                      |         |
|------------------------------|-------------------|----------------------|---------|
| Bulk density (g/l):          | 500               | Melting point (°C):  | 327 ± 5 |
| Average particle size (D50): | 2-3               | Particle size (D90): | 4-6     |
| Particle size (D97):         | 6-8               | Baidu:               | ≥98     |
| Exterior:                    | Fine white powder |                      |         |

### Features and advantages

1. PTFE micropowder is a low molecular weight white micropowder processed by a special process, which has excellent wear resistance, self-lubrication, chemical resistance and thermal stability;
2. Can significantly improve the product's wear resistance, smooth surface feel, and enhance scratch resistance and other properties.

### Purpose and method of use

1. In terms of plastics: PTFE micropowder can be used as a synthetic material modifier. At present, almost all engineering plastics with improved lubricating properties in the world are mixed with PTFE micropowder. Such as PA, POM, PC, PBT, PPS, ABS and other resins added 5-25% PTFE powder, can significantly improve the abrasion, friction and viscous sliding properties of parts made of these materials, and can be used to make gears, bearings and pulleys. It can also be used to replace lubricating metal parts, reducing the weight of parts and reducing maintenance costs. Please consult our company for specific addition amount.

2. Coatings: PTFE micropowder can obtain and improve a variety of high-performance coatings to meet the needs of industrial development for the coating industry, such as coils, powders, leather, home appliances, wheels, engineering machinery, non-stick coatings, etc. The recommended dosage is total 0.1-1% of the amount, added at the beginning of the production process, high-speed stirring is required to achieve the best dispersion effect.

**Note: In order to maintain the good dispersion and blending of PTFE powder, it can be placed in an oven less than 120 degrees before use.**

### Storage and transportation

1. Cool, dry and ventilated, below 60°C, not close to the fire;
2. The shelf life in sealed packaging is one year.

### Package

Packed in 25 kg paper drums.

We provide these data and technical advice with our existing knowledge. However, because of the different application environment, please users according to the test application, we can not guarantee all the circumstances.

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