

## TECHNICAL DATA

## PTFE Granular Molding Resin PF-S260

PTFE is a synthetic fluoropolymer that is used in various applications due to its unique properties, such as chemical resistance, high-temperature tolerance, and non-stick properties. PTFE is available in different forms, including granular, fine powder, and dispersion.

### Product Overview

**Product:** PTFE Granular Molding Resin PF-S260 has excellent heat resistance, electrical insulation, and chemical permeability resistance.

**Typical Applications:** It is mainly used to make small molding products, extruded bars, and products that are difficult to add during the process.

**Availability:** It is packed in a sealed PVC bag, and loaded in water content proof paper barrel. The net weight is (25±0.1) kg per barrel.

### TYPICAL PROPERTIES OF PTFE Granular Molding Resin PF-S260 (Data not for specification purposes)

| Properties                   | Test Method            | Unit  | PF-S260                     |
|------------------------------|------------------------|-------|-----------------------------|
| Appearance                   |                        |       | White powder, no impurities |
| Tensile Strength, MPa ≥      | GB/T 1040.0. HG/T 2902 | MPa ≥ | 25.5                        |
| Elongation at Break, % ≥     | GB/T 1040.0. HG/T 2902 | % ≥   | 250                         |
| Bulk Density, g/L            |                        | g/L   | 400 ~ 750                   |
| Average Particle Size, μm    | HG/T 2901              | μm    | 100~260                     |
| Water Content                |                        |       | 0.040                       |
| Melting Peak Temperature, °C | HG/T 2902              | °C    | 327±5                       |
| Standard Specific Gravity    | GB/T 1033.1            |       | 2.130~2.180                 |
| Thermal Instability Index    |                        |       | 50                          |

## CERTIFICATION

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- SGS Certification
- ROHS Certification
- REACH Certification
- SVHC Certification
- EU Approved

## PRODUCT DESCRIPTION

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This high-quality resin is formulated with medium-sized particles to provide exceptional strength and durability and is highly resistant to chemicals, oils, solvents, and heat. It also has excellent electrical and thermal insulating properties, making it ideal for electrical applications, and its non-stick properties make it suitable for low-friction applications such as bearings, seals, and gaskets.

## PROCESSING

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PTFE Granular Molding Resin PF-S260 is typically processed through a compression molding process. The resin is heated and pressed into a specific shape using a mold. This process creates a finished product with a high degree of dimensional stability and resistance to wear and tear.

## STORAGE AND HANDLING

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Not classified as hazardous for transport. During transportation and storage, avoid heavy shaking, high temperatures, and below 0°C. After three months, shaking the drum every week to avoid a deposition.

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