



## TECHNICAL DATA Fluoroplastic Resin PF-T12

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PF-T series fluoroplastic resin is designed for applications requiring chemical resistance, thermal stability, electrical insulation, and reliable mechanical performance.

### Product Overview

Product: Fluoroplastic Resin PF-T12 is a premium-grade fluoroplastic resin prepared for white powder applications. Grade naming is based on the nominal melt mass-flow rate.

Typical Applications: Wire and cable insulation, tubing, injection or extrusion parts, chemical-resistant components, and other fluoroplastic applications requiring stable processing.

Package: 25 kg per bag/drum, or according to customer requirement.

### TYPICAL PROPERTIES OF Fluoroplastic Resin PF-T12 (premium-grade data; not for specification purposes)

| Properties            | Unit              | PF-T12                                           |
|-----------------------|-------------------|--------------------------------------------------|
| Appearance            | -                 | White powder; particles larger than 0.03 mm ≤ 1% |
| Average particle size | um                | < 250                                            |
| Density               | g/cm <sup>3</sup> | 1.89 - 1.99                                      |
| Melt mass-flow rate   | g/10 min          | 6.0 - 22.0                                       |
| Melting point         | °C                | 120 ± 10                                         |
| Tensile strength      | MPa               | ≥ 18                                             |
| Elongation at break   | %                 | ≥ 500                                            |
| Shore D hardness      | -                 | 42 ± 5                                           |



## Notes

Grade PF-T12 is assigned from the inspection report MFR value of 12.0 g/10 min. The table is based on premium-grade criteria from the source inspection report dated 2025-07-18.

## CERTIFICATION

- SGS Certification
- ROHS Certification
- REACH Certification
- SVHC Certification

## PRODUCT DESCRIPTION

Fluoroplastic Resin PF-T12 is a high-quality fluoroplastic resin with balanced processing behavior, chemical resistance, thermal stability, and mechanical properties. It is suitable for processing by conventional fluoroplastic molding or extrusion methods when handled under appropriate temperature and cleanliness controls.

## STORAGE AND HANDLING

1. Not classified as hazardous for transport.
2. Store in a clean, cool, dry warehouse and keep the package sealed before use.
3. Avoid moisture, dust contamination, direct sunlight, and heavy impact during storage and transport.
4. Dry or pre-condition the resin when required by the processing conditions.
5. Use appropriate ventilation and standard polymer-processing safety practices.

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