PEFLON

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TECHNICAL DATA PTFE Dispersion PF-DF

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 Dispersion PF-DF has excellent heat resistance, electrical insulation, and chemical permeability resistance.

**Typical Applications:** It is mainly used in the impregnation of glass fiber and asbestos, high-grade non-stick coating (PFOA free).

**Package:** (25±0.1) kg per drum, and IBC Drum 1400kg/1350kg.

## TYPICAL PROPERTIES OF PTFE Dispersion PF-DF (Data not for specification purposes)

| Properties | Test Method | Unit | PF-DF |
|---|---|---|---|
| Appearance | | | White or yellowish liquid |
| Solid Content, % | ASTM D4441 | % | 60±2 |
| Surfactant, % | ASTM D4441 | % | 4.0-7.0 |
| PH | ASTM E70 | | 8.0 - 10.0 |
| Viscosity, (x10-3 Pa.s) | ASTM D2196 | x10-3 Pa.s | 10-100 |

## CERTIFICATION

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

## PRODUCT DESCRIPTION

PTFE Dispersion PF-DT is a high-quality aqueous dispersion of polytetrafluoroethylene (PTFE) particles, designed to be used as a coating material for various substrates. The dispersion is highly uniform in size and shape, ensuring consistent coating quality and excellent surface coverage. It can be applied using various methods and exhibits excellent non-stick properties, high-temperature resistance, chemical resistance, and abrasion resistance.

## STORAGE AND HANDLING

1. Not classified as hazardous for transport.
2. The PTFE particles will settle on prolonged standing and/or on prolonged heating—temperatures above 40 °C (104 °F) should be avoided. The dispersion must be protected from freezing, which will cause irreversible settling.
3. The optimum storage temperature range is **15–25 °C (53–76 °F).** If dispersions are to be stored for extended periods, lower-temperature storage is desirable.
4. For optimal performance, PF-DT should be gently mixed or rolled monthly and prior to use.
5. During transportation and storage, avoid heavy shaking, and prevent solarization.
6. It should stock in a clean, cool, and dry warehouse, to prevent agglomeration and contamination.
7. The pH of opened containers should be measured and maintained between 8 and 10.


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