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PTFE Dispersion PF-DD

TECHNICAL DATA

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-DD has excellent heat resistance, electrical insulation, and chemical permeability resistance. Milk white or light yellow liquid, the solid content of the product is about 60%, the particle diameter is between 0.2um-0.4um, the surfactant content is between 2.0-7.0%, and the pH value is between 8-10. The product has excellent flame retardancy and non viscosity.

Typical Applications: It is mainly used in the impregnation of glass fiber and asbestos.

Availability: 25kg drum, 1400kg IBC tank

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

Properties	Test Method	Unit	PF-DD
Appearance			White or yellowish liquid
Solid Content, %	ASTM D4441	%	60±2
Surfactant, %	ASTM D4441	%	4.0-7.0
PH	ASTM E70		8-10
Viscosity, (x10-3 Pa.s)	ASTM D2196	x10-3 Pa.s	20-40

CERTIFICATION

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

PRODUCT DESCRIPTION

PTFE Dispersion PF-DD 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.

PROCESSING

PF-DD is processed by mixing PTFE powder with a carrier liquid, such as water or an organic solvent. The mixture is then processed using high-shear mixing equipment to create a uniform dispersion of PTFE particles in the liquid. This dispersion can be used in a variety of applications, including coatings, textiles, and lubricants.

STORAGE AND HANDLING

Not classified as hazardous for transport. During transportation and storage, avoid heavy shaking, and prevent solarization. It should stock in a clean, cool, and dry warehouse, to prevent agglomeration and contamination.

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LOCATION

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