PEFLON

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TECHNICAL DATA PTFE Dispersion PF-DP

Product Overview

- With polymer solid content 60% (w/w),the mean particle size of the colloidal PTFE dispersion particles is 0.05 ~0. 5 micron.
- With high stability against coagulation.
- Nontoxic at room temperature.
- Excellent chemical inertness,outstanding resistance to chemical corrosion,such as strong acid,alkali,strong oxidant,etc.
- Outstanding resistance to heat,low temperature and abrasion.
- Can be used at temperature range from -200 °C ~ +250 °C for long time.
- Excellent electric insulation property,which is not affected by temperature and frequency.
- Adhesiveless.
- No absorption of water.
- Flame-retardation,etc.

Applications: Hhigh-grade non-stick coating prime coating (PFOA free), PTFE spinning.

Package: (25±0.1) kg per drum, and IBC Tanks 1400kgkg.

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

Properties	Test Method	Unit	PF-DP
Appearance			White or yellowish liquid
Solid Content, %	ASTM D4441	%	60 ± 2
Surfactant, %	ASTM D4441	%	4.0-7.0
PH	ASTM E70		7.0 - 9.0
Viscosity	ASTM D2196	mm2/s (25oC)	7.0 - 10.0
Particle siz		μm	0.1 - 0.3

COMPLIANCE

- **REACH-Compliant**: Pass SVHC or Potential SVHC test.
- **PFAS-Compliant**: Free from 545 regulated PFAS substances.
- **FDA-Compliant**: Meets US FDA 21 CFR 177.1550 for PTFE.
- **RoHS-Compliant**: Meets EU Directive 2015/863 for restricted substances.

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-DP 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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