

TECHNICAL DATA

PTFE Dispersion PD-DK

Product: PTFE Dispersion PF-FR301KH/W

PF-FR301KH/W is a modified and PFOA-free PTFE dispersion designed for industrial coating and impregnation applications. The product offers stable dispersion characteristics, controlled viscosity and excellent thermal stability.

Typical Applications:

Anti-drip agents, Fiber coating, Glass fiber fabric coating, Industrial coating formulations, PTFE composite materials

Package:

25 ± 0.1 kg per drum or IBC containers.

TYPICAL PROPERTIES OF PTFE Dispersion PD-DK (Data not for specification purposes)

Properties	Test Method	Unit	PF-FR301KH/W
Appearance	Visual	—	White milky dispersion
Solid Content	ASTM D4441	%	59 – 62 (60)
Surfactant Content	ASTM D4441	%	4 – 7 (5)
Viscosity	Rotational Viscometer	Pa·s	$(10 - 50) \times 10^{-3}$ (20×10^{-3})
pH	Test Paper	—	8.5 – 10.5 (9)
Melting Point	HG/T 2902	°C	327 ± 10
Standard Specific Gravity	GB/T 1033.1	—	2.15 – 2.27 (2.20)

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, PD-DK 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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LOCATION

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