HAIFLON® PTFE Fine Powder SF-6801

CAS No.: 9002-84-0

Haiflon® PTFE Fine Powder SF-6801 is a virgin PTFE fine powder resin produced by dispersion polymerization. It is designed for processing at medium to high reduction ratios (up to 2500:1) and is particularly intended for thin-wall tubes, wire and cable where high transparency of the sintered wall, excellent electrical performance and high thermal stability are required.

Product Features

- Virgin PTFE fine powder produced by dispersion polymerization, free of PFOA
- Medium to high reduction ratios, max. RR 2500:1
- Excellent transparency of sintered thin-wall tubes
- Excellent electrical performance for wire and cable insulation
- High thermal stability
- Suitable for thin-wall tube, wire and cable production

Typical Physical Properties

Item	Specification — SF-6801
Bulk density, g/l	410
Average particle size, D50 µm	670
Moisture content, %	0.02
Standard specific gravity (SSG)	2.16
Tensile strength, MPa	37
Elongation at break, %	495
Reduction ratio (RR)	Max 2500 : 1

Applications

- High-transparent thin-wall tubes
- Wire and cable insulation
- Medical and pharmaceutical tubing applications

Comparable Grades

Daikin F-205 / F-302, Dongyue DF-2048

Safety Precautions for Using PTFE Fine Powder

- The work area should be kept well-ventilated, as toxic gases such as HF and COF2 may be liberated during hot processing. Acid gases evolved during incineration of the polymer must be eliminated by alkaline scrubbing before emission.
- Avoid breathing fumes emitted during processing and wear the necessary personal protective equipment.
- Smoking in the working area is prohibited, to avoid inhalation of toxic gases liberated from smoking tobacco contaminated with PTFE powder.
- Avoid inhalation of PTFE powder and contact with eyes.
- After processing, clean the face and hands thoroughly.
- Processing waste must be disposed of by qualified personnel in compliance with the waste disposal regulations of the relevant district and country.
- Before using PTFE powder, please read the safety data sheet carefully.

Storage & Handling

- The products should be stored in clean, cool, shady, draughty and dry warehouses to avoid contamination by dust and moisture.
- During transportation and storage, shearing and violent vibration must be avoided to prevent the resin from agglomeration.

Packing

- Product is packed in double layer plastic bags: the inner bag is made of polyethylene resin and the outer bag is made of polyvinyl chloride.
- The bags are packed in cardboard drums lined with moisture-proof plastic film.
- Net weight per drum is 20 kg.
- Product can also be packed according to customer's requirements.

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