HAIFLON® PFA Powder PFA-103P

CAS No.: 9002-84-0

Haiflon® PFA powders are micronized grades of our PFA resin, designed for electrostatic spray coating, fluidized bed coating and other powder coating processes. They provide low surface energy, very low friction coefficient, excellent heat resistance, flame retardancy and superior chemical resistance in coating form.

Product Features

- Excellent anti-corrosion and non-stick coating performance
- Very low surface energy and friction coefficient
- Good powder flowability for uniform coating layers
- Flame retardant (UL 94 V-0) and excellent weather resistance

Typical Physical Properties

Item	Specification — PFA-103P
Appearance	White powder
Average particle size, D50 µm	20 – 60
Bulk density, g/L	≥ 500
Melt flow rate, g/10min (372 °C, 5 kg)	1.0 – 3.0
Melting point, °C	300 – 310
Specific gravity, g/cm^3	2.12 – 2.17

Melt flow rate tested at 372 °C under 5 kg load (ASTM D1238 / HG/T standard for PFA).

Applications

- Electrostatic spray coating of valves, pipes, vessels and pump parts
- Corrosion-resistant coatings for chemical processing equipment
- Thin, pinhole-free coating layers with high build

Comparable Grades

Pureflon FC-103P

Processing Guidelines

Haiflon® PFA is fabricated by the same melt processing techniques normally used for other thermoplastics. All parts of the processing equipment that come into contact with the molten resin must be made of corrosion-resistant alloys. For wire and cable extrusion, the temperature profile should be selected according to extruder size and line speed: the higher the flow rate required, the higher the temperature profile, and the shorter the extruder, the higher the temperature profile should be.

Safety Precautions

- Processing temperatures above 300 °C may release harmful fumes. Keep the work area well ventilated and never allow the resin to overheat or
- decompose in the barrel.
- Do not smoke while handling or processing PFA.
- Read the safety data sheet carefully before use.

Storage & Handling

- Store in a clean, cool, dry warehouse, protected from dust and contamination.
- This product is non-toxic, non-explosive and non-corrosive, and is transported as a non-dangerous goods.
- Keep containers tightly closed and away from direct sunlight and moisture.

Packing

- Packed in polyethylene-lined bags, 25 kg net weight.
- Custom packing is available on request.

Shanghai Fluorochem Industry Co.,Ltd
Office Address: 2nd floor, No. 310 Yichuan Road,
Shanghai 200065, China
Tel: +86 21 565 11032
E-mail: info@haiflon.com
www.haiflon.com