HAIFLON® PFA Granules PFA-308

CAS No.: 9002-84-0

Haiflon® PFA is a copolymer of tetrafluoroethylene (TFE) and a perfluoroalkyl vinyl ether, supplied as clean, translucent granules. Also known as melt-processable PTFE, it combines the outstanding chemical, thermal, electrical and surface properties of PTFE with the melt-processability of FEP, and can be fabricated by extrusion, injection molding, blow molding and transfer molding. It is widely used in anticorrosion, sealing, vessel lining, wire and cable insulation and chemical engineering.

Product Features

- Medium-low melt flow with balanced mechanical properties and processability
- High volume resistivity, excellent heat resistance and insulation
- Good flow for high production efficiency
- Service temperature from -200 °C up to 260 °C
- Excellent chemical resistance to virtually all chemicals and solvents

Typical Physical Properties

Item	Specification — PFA-308
Appearance	Translucent granules
Melt flow rate, g/10min (372 °C, 5 kg)	3.1 – 8.0
Melting point, °C	300 – 310
Specific gravity, g/cm³	2.12 – 2.17
Tensile strength, MPa	≥ 30
Elongation at break, %	≥ 300

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

Applications

- Pipes and tubes for chemical and semiconductor service
- Wire insulation layers and multi-core cable sheaths
- Films and various electronic components

Comparable Grades

Pureflon FC-306

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 bags, 25 kg net weight per bag or carton.
- 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