HAIFLON® FEP SQ-3650M Modified Extrusion Resin (Anti-Stress-Cracking)

CAS No.: 25067-11-2

Haiflon® FEP SQ-3650M is a modified FEP resin supplied as translucent clean pellets with a melt flow rate of 36.1 – 50 g/10 min, the highest-flow modified grade of the Haiflon FEP range. It combines excellent resistance to stress cracking with extreme flow for intricate, thin-wall injection moldings and ultra-high-speed coating of very fine wires.

Product Features

- Highest-flow modified FEP grade of the Haiflon range (36.1 – 50 g/10 min)
- Modified FEP with excellent resistance to stress cracking
- Extreme flow for intricate, thin-wall injection moldings
- Ultra-high-speed coating of very fine wires
- Good electrical insulation and chemical resistance

Typical Physical Properties

Item	Specification — SQ-3650M
Appearance	Translucent clean pellets, no visible impurities
Melt flow rate (MFR), g/10 min	36.1 – 50
Tensile strength, MPa	≥ 18
Elongation at break, %	≥ 250
Melting point, °C	255 – 265
Specific gravity	2.13 – 2.19
Volatile content, %	≤ 0.10
Resistance to stress cracking	Excellent

Applications

- Intricate, thin-wall injection moldings
- Ultra-high-speed coating of very fine wires
- Micro-precision molded components
- Complex parts combining flow demand and stress-crack resistance

Comparable Grades

Comparable international grades available on request.

Safety Precautions for Using FEP Resins

- FEP resins are not hazardous for transport and are not classified as dangerous goods. Please refer to the Safety Data Sheet (SDS) before use.
- When heated above 400 °C, small amounts of decomposition products (hydrogen fluoride, carbonyl fluoride) may be liberated. Ventilate the processing area and avoid inhaling fumes.
- Avoid breathing dust and wear suitable personal protective equipment (dust mask, gloves) during handling.
- Smoking in the work area is prohibited, since tobacco may be contaminated by polymer particles and generate harmful decomposition products when lit.

Storage & Handling

- Store in a clean, cool and dry warehouse, away from heat sources and direct sunlight.
- Keep packages sealed to prevent contamination and moisture uptake; avoid severe vibration and shock during transportation and storage.
- If necessary, dry the pellets at 100 – 120 °C for 2 – 4 h before processing.

Packing

- Packed in a sealed PE inner bag in a waterproof paper drum; net weight 25 ± 0.1 kg per drum.
- Other packings are 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