HAIFLON® PPA 9100 — up to 320 °C

Fluoropolymer-based processing aid for polyolefin extrusion

Haiflon® PPA 9100 is a free-flowing white powder fluoropolymer-based processing aid. At a very low addition level (50 – 800 ppm) it improves polyolefin processing without affecting the original physical properties of the plastics, nor their sealing, adhesion and printing properties. It can be used for mLLDPE, LLDPE, HDPE, LDPE, EVA and other polyolefin resins, with a maximum processing temperature up to 320 °C.

Product Features

- High-temperature stability — suitable for processes up to 320 °C
- Improves film surface quality by eliminating melt fracture (sharkskin, orange peel)
- Reduces die wear and eliminates die buildup, extending continuous production time
- Allows a higher ratio of LLDPE in LLDPE/LDPE blends — lower cost, higher quality

Typical Physical Properties

Item	Specification — PPA 9100
Appearance	White to off-white powder
Bulk density, g/cm^3	0.5 – 0.8
Particle size, mesh	< 10
Volatile (105 °C, 1 h), %	< 1

Applications

- Blown film and cast film
- Hollow blow-molded products, pipe and sheets
- Masterbatch and all other polyolefin extrusion processes up to 320 °C

Processing Guide

- The dispersion of the PPA in the resin determines the performance. The recommended procedure is to make a 2 – 3 % masterbatch through a twin-screw extruder and then dose it into the extrusion resin according to the target performance level. The conditioning time is 20 – 60 minutes depending on equipment, base material and shear rate; no conditioning time is required under long-term continuous use.
- Typical effective dosage: 50 – 800 ppm.

Shelf Life & Storage

- 2 years, below 30 °C, stored cool, dry and protected from light.

Food Contact Safety

- Meets the requirements of FDA 21 CFR 177.1520 (USA) when properly used; suitable for food-contact applications.

Safety Precautions

- Not classified as a dangerous good for transport. Please refer to the Safety Data Sheet (SDS) before use.
- Avoid breathing dust; use local exhaust ventilation and wear a dust mask, gloves and goggles during handling.
- During hot processing above 300 °C, small amounts of decomposition products may be released — adequately ventilate the processing area and avoid inhaling fumes.
- Dispose of processing waste according to local regulations.

Packing

- Net weight 25 kg per carton box.
- Other packings are available on request.

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