

PPA DA-410

Characteristics

Delivering a dramatically reduced load level while eliminating melt fracture, DA-410 is the most cost effective PPA in the market today. Level needed to eliminate melt fracture is 2 times less than previous generation (250 ppm).

Daikin PPA DA-410 creates a small drop size when incorporated into PE or PP resin. An essential advantage for use in mono-layer, multi-layer and even laminated film without gel formation. Daikin PPA DA-410 sets the new standard in reducing die build up.

Properties*

Form	White powder
Active Ingredient	90% (Fluoropolymer)
Partitioning Agent	10% (inorganic)
Particle size	Avg. 450 micron
Bulk density	1.0g/cm ³

*Typical properties are not suitable for specification purposes.

Benefits/Features

- Eliminates melt fracture and die-build up.
- Reduces die pressure and extrusion temperature.
- Increases output.
- Delivers reduced coating time.
- Tailored for high clarity.
- Extrusion and other polymers in cast extrusion.

Guideline for Use (General LLDPE Film Extrusion)

Typical levels of use of Daikin PPA DA-410 are 100 to 500 ppm in PE during film extrusion (250 ppm on standard use). To achieve this low additive level, production of a masterbatch is first required. It is recommended that a masterbatch be first produced containing between 1 - 2.5% of Daikin PPA DA-410 (preferably 2.5%). When a masterbatch containing 2.5% is used, the level of PPA masterbatch in PE is about 1% or less to eliminate die build up.

Food Contact

Daikin PPA DA-410 complies with United States FDA regulation 21 CFR 177.1520 when used at levels not to exceed 0.21% of Daikin PPA DA-410. The polyolefins containing Daikin PPA DA-410 may be used only for conditions A through H, in table 2, 21 CFR 176.170. Daikin PPA DA-410 complies with Regulation (EC) No 1935/2004 on materials and articles intended to come into contact with food and with Commission Regulation (EU) No 10/2011 of 14 January, 2011 on plastic materials and articles intended to come into contact with food. It is the sole responsibility of the user to determine whether the use of Daikin PPA DA-410 in a particular application is suitable and complies with applicable laws and regulations.

Handling/Safety

Although Daikin PPA DA-410 presents no safety hazard under normal processing conditions, please refer to the Safety Data Sheet to avoid potential hazards before beginning processing operations.

Storage

Please refer to the Safety Data Sheet for storage information and always keep Daikin PPA DA-410 in a dry place at temperatures below 27°C (80°F) to avoid agglomeration.

Packaging

Net 20kg

Carton box (dimension 341mm x 304mm x 314mm)

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