

PPA DA-810X

Characteristics

Daikin Industries, Ltd., a world leader in the manufacture of fluoro-elastomers, has developed a new polymer processing additive, Daikin PPA DA-810X. Used for the processing of polyolefin resins (LLDPE, LDPE, HDPE), Daikin PPA DA-810X eliminates melt fracture, reduces die-build up, die pressure, and extrusion temperature, while simultaneously increasing line speed. Available as a white powder made of modified fluoroelastomer. Daikin PPA DA-810X coats your extrusion equipment in order to decrease the friction between the polymer melt and the die wall.

Properties*

Form	White powder
Active Ingredient	97%
Partitioning Agent	3% (inorganic)
Particle Size	Avg. 300 micron
Bulk Density	0.7g/cm ³

*Typical properties are not suitable for specification purposes.

Benefits/Features

- Eliminate melt fracture and die-build up.
- Reduce die pressure and extrusion temperature.
- Increase output.
- Tailored for MLLDPE and LLDPE rich blends.

Guideline for Use (General LLDPE Film Extrusion)

Typical levels of use of Daikin PPA DA-810X are 100 to 1000 ppm in PE for film extrusion (500 ppm on standard use). To achieve this low additive level, production of a masterbatch is first required. It is recommended that a masterbatch be produced containing between 2 - 5% of Daikin PPA DA-810X (preferably 5%). With a 5% load level masterbatch, the level of PPA masterbatch in PE is about 1% or 500ppm in the finished product.

Food Contact

Daikin PPA DA-810X complies with United States FDA regulation 21 CFR 177.1520 when used at levels not to exceed 0.21%. The polyolefins containing Daikin PPA DA-810X may be used only for conditions A through H, in table 2, 21 CFR 176.170. Daikin PPA DA-810X 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-810X in a particular application is suitable and complies with applicable laws and regulations.

Handling/Safety

Although Daikin PPA DA-810X 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-810X in a dry place at temperatures below 27°C (80°F) to avoid agglomeration.

Packaging

Net 20kg

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

DAIKIN CHEMICAL EUROPE GmbH
Immermann Str., 65D
40210 Dusseldorf, Germany
Phone : +49-211-1792-2528
Facsimile : +49-211-1792-2529
www.daikinchem.de

DAIKIN INDUSTRIES, LTD.
Umeda Center Bldg.,
2-4-12, Nakazaki-Nishi, Kita-ku,
Osaka 530-8323, Japan.
Phone : +81-6-6373-4346
Facsimile : +81-6-6373-4390
www.daikin.co.jp/chm

DAIKIN AMERICA INC.
20 Olympic Drive
Orangeburg, NY 10962
Phone: 845-365-9500
Fax: 845-356-9515
www.daikin-america.com

DAIKIN CHEMICAL FRANCE
S.A.S
Chemin de la Lône BP 52
69492 Pierre-Bénite Cedex France
Phone : +33-4-7239-4930
Facsimile : +33-4-7239-4939