

# **DAI-EL® PPA DA-310ST**

## **Polymer Processing Additive for Thermoplastic Resins**



As a processing aid DA-310ST eliminates melt fracture, reduces extrusion melt temperature and die head pressure and increases the output of polyolefin. DAI-EL® PPA DA-310ST decreases the friction between melted resin and

the die wall by lubricating the die wall. DAI-EL® Polymer Processing Additive DA-310ST is a white powder fluoroelastomer designed for use at very low levels to improve processing of thermoplastics (LLDPE, LDPE, HDPE, PP, etc.).

### **Features & Benefits:**

- Eliminate melt fracture and die-build up
- Reduce die head pressure and extrusion melt temperature
- Excellent thermal stability for high temperature processing
- For use at very low PPA levels
- Offers performance and cost advantages

### **Physical Properties:**

|                    |                          |
|--------------------|--------------------------|
| Form               | White Powder             |
| Active Ingredient  | 90% Fluoropolymer        |
| Partitioning Agent | 10% Inorganic            |
| Particle Size      | Avg. 500 micron          |
| Bulk Density       | 62.4 lbs/ft <sup>3</sup> |

Note: The data shown above is not intended as specifications for DAI-EL® PPA DA-310ST.

### **Guideline for use in LLDPE film Extrusion:**

Typical levels of use of DAI-EL® PPA DA-310ST are 100 to 1000 ppm in PE film extrusion. In order to achieve this level during processing, production of a masterbatch is necessary. It is recommended to produce a masterbatch with loading level 2 to 5% of DAI-EL® PPA DA-310ST – preferably 5%.

### **Food Contact:**

DAI-EL® PPA DA-310ST complies with United States Food and Drug Administration amended 21 CFR 177.1520 when used at levels not to exceed 0.21% of DAI-EL® PPA DA-310ST or 0.2% of the fluoropolymer (CAS 9011-17-0). The polyolefins containing DAI-EL® PPA DA-310ST may be used only for conditions A through H, in table 2, 21 CFR 176.170. It is the sole responsibility of the user to determine whether the use of DAI-EL® PPA DA-310ST in a particular application is suitable and complies with applicable laws and regulations.

### **Storage:**

Always keep DAI-EL® PPA DA-310ST in a dry place at temperatures below 80°F (27°C) to avoid agglomeration. Please refer to the Material Safety Data Sheet for additional storage information.

### **Packaging:**

Net 44 lbs. Carton Box

DAI v. 01 (Jan 2013)



**DAIKIN AMERICA, INC.**  
20 Olympic Drive  
Orangeburg, NY 10962, U.S.A.  
Phone: 800-365-9570  
www.daikin-america.com

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

**DAIKIN CHEMICAL FRANCE S.A.S**  
Chemin de la Lone BP 52  
69492 Pierre-Benite Cedex, France  
Phone: +33-4-7239-4930