



# DIAMOND ADDITIVE

## Plastic Additives Supplier

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### PRODUCT DATA SHEET

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## Polymer processing aid

### PA- 430

#### Description

PA-430 is a Polymer processing aid containing 97% processing aid. PA-430 provide outstanding performance through the wide range of polyolefin processing conditions to eliminate melt fracture, lower extrusion pressure, reduce amperage and torque, and reduce die build-up. At the use levels (typically 250-500 ppm) necessary to improve processing, it does not alter or detract from the good mechanical properties associated with high strength plastics. PA-430 exhibits exceptional commercial utility in low melt index polyolefin such as linear lowdensity polyethylene (LLDPE and mLLDPE) and higher molecular weight, ultrahigh molecular weight high density polyethylene (UHMW-HDPE) resins. It can also be used at low levels to reduce extruder die build-up when processing LDPE and other polyolefin resins. PA-430 lowers apparent melt viscosity and permits processors to use high strength resins which otherwise could not be processed on available equipment. As a polymer processing, PA-430 reduces or eliminates melt fracture and can reduce extruder torque. Through optimization of the extrusion process, the use of PA-430 may also allow an increase in output films with enhanced and balanced bi-directional physical properties and improved clarity and gloss. It can reduce the power consuming and improve the extruder life time.

#### Typical properties of PA-430

Property	Description
moisture	1%
Form	powder
Color	off white
Active ingredient	97%
Shelf life (year)	4

#### Application

PA-430 specially designed for Polyolefin's application (PE , PP , ....).

#### Packaging

PA-430 bags should be stored in a dry and cool place below 35°C, protected from sunlight & tightly closed to avoid contamination. PA-430 is packed in special 20kg drums.

**Note:** All information given herein is only a recommendation. Its use shall remain the sole responsibility of the customer. No patent guarantee whatsoever shall be implied.

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