



DIAMOND ADDITIVE

Plastic Additives Supplier

PRODUCT DATA SHEET

Polymer processing aid PA- 910

Description

PA-910 Polymer Processing Additive is a fluoropolymer processing aid designed for use at low levels to improve processing of thermoplastics. At the low use levels (typically 400 – 1000 ppm) necessary to improve processing, it does not alter or detract from the physical properties associated with high strength plastics. PA-910 can offer performance and cost advantages. It exhibits exceptional commercial utility in low melt index film grade linear low-density polyethylene (LLPDE) and high density polyethylene (HDPE). It is especially effective in polyolefin resins containing silica based antiblocking agents, titanium dioxide-based pigments, and other inorganic additives. It can also be used at low levels to reduce extruder die buildup when processing low-density polyethylene (LDPE) and other polyolefin resins. PA-910 lowers apparent melt viscosity. As a polymer processing additive (PPA), PA-910 can reduce or eliminate melt fracture and can reduce extruder torque. Through optimization of the extrusion process, it may also allow for an increase in output and produce films with enhanced and balanced bi-directional physical properties and improved clarity and gloss.

Typical properties of PA-910

| Item | Unit | PA-910 |
|-----------------------------------|----------------------------|---|
| Physical Form | | Free flowing powder |
| Active Ingredients | % | 97 |
| Particle Size | 10 mesh pass(%) (1.8mm) | > 95 |
| Bulk Density | g/cm ³ | > 0.70 |
| Recommendation of extrusion Temp. | °C | < 245 |
| Typical use level | ppm | 400~1,000 |
| Application | | Film, Sheet Pipe, Profiling, Cable, Wire |
| Packaging | | 20kg Box |

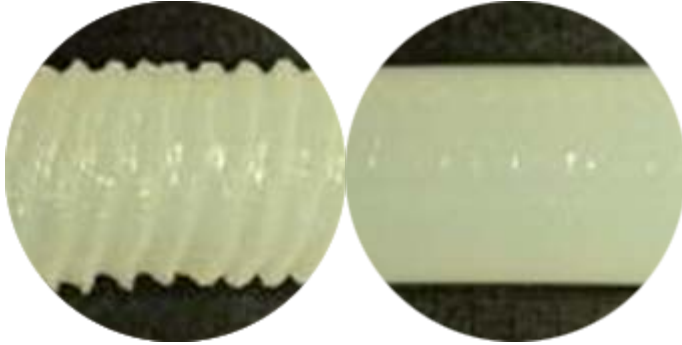
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Application:

PA-910: Improves extrusion processing of polyolefin resins, Reduces or eliminates melt fracture, Ideal for use in polyolefin resins containing antiblocking agents, pigments and other inorganic additives, Reduces or eliminates die build-up and Lowers apparent melt viscosity

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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