INOLUB™
Fluoropolymer Additives

P402F
Polymer processing additive

Technical Information

INOLUB™ P402F is a free flowing fluoropolymer based powder designed specifically to be incorporated in very low concentrations as a film extrusion processing aid – primarily in LLDPE, mLLDPE and other polyolefins. It is targeted especially at today's modern polyolefin resins, enabling molecular architectures that can meet the ever increasing demands of film performance but without compromising their extrusion capabilities.

Product Features

- Melt fracture ("shark skin") elimination for high clarity and gloss
- No effect on printability or mechanical strength
- Die build up reduction
- Cost savings through improved output and energy reduction
- High efficiency grade–typical effective concentration can be as low as 300ppm
- Lubricates die, enabling lower process pressures and temperatures

Typical Properties

Properties	Value
Appearance	White free flowing powder
Active component	97 %
Anti-caking Agent	3 %
Bulk Density	700 g/l

Note-These are typical properties and not to be used for specification purposes

Practical considerations

Due to its low end use concentration, INOLUB™ P402F is recommended to be added in the following ways:

• Polymer manufacture: Direct addition typically in a "one pack" additive blend during pelletisation.

• Masterbatch: Content typically 0.5 - 5% INOLUB™ P402F. Conveniently dosed to achieve the desired level, either in polymer compounding/manufacture or directly in the film extrusion process. See INOLUB™ PPA "Masterbatch Compounding Guide"

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Food Contact Statement

INOLUB™ P402F may be used as a processing aid under 21 C.F.R. 177.1520 in the extrusion of polyolefins for use as articles or components of articles intended for use in contact with food, subject to the provisions in this regulation including use at levels not exceeding 0.2% of INOLUB™ P402F and use of the finished article only under the conditions described in 21 C.F.R. 176.170(c), Table 2 under conditions of use B through H.

INOLUB™ P402F may be used as a processing aid under 21 C.F.R. 177.1350 in the extrusion of ethylene-vinyl acetate copolymers for use as articles or components of articles intended for use in producing, manufacturing, packing, processing, preparing, treating, packaging, transporting, or holding food, subject to the provisions in this regulation including use at levels not exceeding 0.2% of INOLUB™ P402F.

Storage

INOLUB™ P402F may be stored indefinitely, provided that the packaging remains unopened and that it has been stored in a clean and dry area at temperatures below 27°C (80°F).

Safety and Handling

Although INOLUB™ P402F presents no safety hazard under normal handling conditions, please refer to the Material Safety Data Sheet to avoid potential hazards prior to processing.

Packaging

INOLUB™ P402F is available in 20 Kg PE sacks within a corrugated box.

Disclaimer

INOLUB™ is the brand name of Gujarat Fluorochemicals Limited (GFL) used for its brand of fluoropolymer additive. INOLUB™ can be used in applications duly approved by GFL. Customers who plan to use the word INOLUB™ as the trade mark on or relation to their own articles or other products in any style or combination or in any manner whatsoever must contact GFL for prior permission for such use. No consumer/user of GFL product is permitted to claim that their products contain INOLUB™ without prior permission from GFL.

Note warning

Do not use any of INOLUB™fluoropolymer additives in medical devices that are designed for permanent implantation in the human body. For other medical uses, prior permission of GFL may be sought.

For more information, please contact Gujarat Fluorochemicals Limited

Corporate & Marketing Office :
INOX Towers, Plot No.17, Sector 16A
Noida-202301, U.P., INDIA
Tel : +91-120-6149600
Fax : +91-120-6149610

Works :
12/A, GIDC Dahej Industrial Estate, Tehsil
Vagra, Distt. Bharuch-392230, Gujarat, INDIA
Website : www.gfl.co.in
Email : contact@gfl.co.in