

**P504F**  
Polymer Processing Additive

## TECHNICAL DATA SHEET

### TECHNICAL INFORMATION

INOLUB<sup>®</sup> P504F is a free-flowing fluoropolymer LLDPE powder blend designed primarily 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.

### FEATURES AND BENEFITS

- Melt fracture (“sharkskin”) 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
- Typical effective concentration can be as low as 200ppm
- Lubricates die, enabling lower process pressure and temperature
- May be used in higher temperature processes (e.g. cast film extrusion)

### PROPERTIES

Properties	Unit	Nominal Value
Appearance	-	White free flowing granular powder
Active component	%	45
Anti-caking agent	%	5
Bulk density	g/cm <sup>3</sup>	0.5

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

### PRACTICAL CONSIDERATIONS

Due to its low-end use concentration, INOLUB<sup>®</sup> P504F is recommended to be added in the following ways:

- Polymer manufacture: Direct addition typically in a “one pack” additive blend during pelletization.
- Special compounds: P504F is designed for use in pre-blends for compounding, avoiding the need to produce a masterbatch for the purpose of polymer compounding/manufacture.

# P504F

## Polymer Processing Additive

### FOOD CONTACT STATEMENT

INOLUB® P504F 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 0.4% of INOLUB® P504F 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.

### STORAGE

INOLUB® P504F 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® P504F presents no safety hazard under normal handling conditions, please refer to the Material Safety Data Sheet to avoid potential hazards before processing.

### PACKAGING

INOLUB® P504F is available in 20 kg PE sacks within a corrugated box.

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 trademark on or relation to their articles or other products in any style or combination or 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.

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.

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