



# TECHNICAL DATA SHEET

Product Name

**ACTIVE PLUS™**

Product Type

**Processing Aids Masterbatch**

Product Grade

**PA17L**

## Product Description

Active Plus™ PA17L is a fluorinated processing aids masterbatch which design to use with polyolefin based polymer and also effective for many other applications which require a smoothen surface. PA17L creates lubricity coating on the metallic surfaces of processing equipment like barrel and die surfaces. The coating decreases the friction between molten resin and die wall then resulting in surface defects (shark skin and melt fracture elimination).

## Typical Application

- Masterbatch for blown film extrusion
- Masterbatch for cast film extrusion
- Masterbatch for cable extrusion

## Product Characteristics

- No effect to film surface chemistry/mechanical properties
- No effect to converting processes (heat sealing and printing process)
- Melt fracture elimination/Operating pressure reduction
- Die build-up alleviation/Gel formation during processing reduction

## International Compliance

- Food contact applicable (US FDA 21 CFR 175.1520)

## Physical Properties

Property	Test Method	Typical Value	Unit
PPA content	TPE Method	4.0	%
Melt index (190 °C, 2.16 kg)	ASTM D 1238	2	g/10 min
Density	ASTM D 792	0.93	g/cm <sup>3</sup>

**Note:** The given values are typical value measured on the product. Values herein are not to be constructed as a product specification.

## Processing Guidelines

To be effective, PA17L is suggested to use as the following steps

Production step: Tumble dry blending 0.5-1.0% of PA17L with your existing formulation and run along the production period.

The coating of PA17L can be removed the barrel wall by abrasive action of the melt. Thus, it is necessary to maintain the dosage of the PA17L in the formulation to achieve the smooth surface of the finished products.

## Product Technical Assistance

For technical assistance or further information on this product or any other SCG Chemicals' products contact your SCG Chemicals technical services at the address as specified below.

**Thai Polyethylene Co., Ltd.**

1 Siam Cement Road, Bangsue, Bangkok, 10800 Thailand

Email: [genaral\\_plastics@scg.com](mailto:genaral_plastics@scg.com)

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## Product Available Form

- Yellowish white pellet

## Product Packaging

- 25 kg loose bag

## Storage

- Store in original container in tidy according to the manual of Handling and Storage from Thai Polyethylene Company Limited.
- Product(s) should be stored in dry and dust free location at temperature below 50°C and protected from direct sunlight and/or heat, well-ventilated area, away from incompatible materials and food and drink, as this may lead to quality deterioration, which results in odour generation and colour changes and can have negative effects on the physical properties of this product.
- Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination.
- The storage area should be stable and not be slopped.

## Safety

- The product is not classified as a hazardous material.
- Please see our Material Safety Data Sheet for details on various aspects of safety, recovery, and disposal of the products; for more information, contact your SCG Chemicals technical services.

## Recycling

- The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.
- Please see our Material Safety Datasheet for details on various aspects of safety, recovery and disposal of the products; for more information, contact your SCG Chemicals technical services.

## Related Documents

- The latest version of this document will be available at our website, [www.scgchemicals.com](http://www.scgchemicals.com), or can be obtained from the SCG Chemicals technical services.
- The following related documents are available on request, and represent various aspects on the usability, safety, recovery and disposal of the product.
  - Safety Data Sheet.
  - Declaration of Compliance.



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## Disclaimer

- The Applications specified herein is for reference only.
- It is customer's responsibilities to inspect and test the product for suitability of the customer's own use and purpose. The customer is responsible for appropriate, safe, legal use, processing and handling of the product.
- To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication. We however do not assume any liability whatsoever for the accuracy and completeness of the information contained herein.
- We make no warranties which extend beyond the description herein. Nothing herein shall constitute any implied warranty of merchantability or fitness for a particular purpose.
- No liability can be accepted in respect of the use of the product in conjunction with other materials. The information contained herein relates exclusively to the product when it is not used in conjunction with any third party's materials.