

**Product Description**

Active Plus™ "PA17L" is a fluorinated processing aids masterbatch which is specially designed 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

- Food contact applicable (U.S FDA 21 CFR 177.1520)
- 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
- Faster color transition promotion

Physical properties

Property	Test Method	Value	Unit
Additive content	TPE method	4.00	%
Melt index (190 C, 2.16 kg)	ASTM D 1238	2	g/10 min
Density	ASTM D 792	0.93	g/cm3

Processing Guidelines

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

Preliminary step: Tumble dry blending 5.0% of PA17L with your existing formulation and run for 20-30 minutes in order to get completely coat on the metallic surface. Then, the melt fracture surface will be disappeared and pressure profile will be decreased as well at this level.
Production steps: Reducing the concentration of PA17L to 0.5-1.0% along the production period. The coating of PA17L can be removed from the 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, please contact your SCG Chemicals Technical Services at the address or telephone number as specified below.

Product Available Form

- Yellowish white pellet

Product Packaging

- 25 kg loose bag

SCG Performance Chemicals Company Limited

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Storage

- Store in original container in tidy according to the manual of Handling and Storage from Thai Polyethylene Company Limited/ Thai Polypropylene 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 Safety Data Sheet for details on various aspects of safety, recovery, and disposal of the products; for more information, contact your SCG Plastics/SCG Performance Chemicals technical service.

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 Safety Data Sheet for details on various aspects of safety, recovery and disposal of the products; for more information, contact your SCG Plastics/SCG Performance Chemicals technical service.

Related Documents

- The latest version of this document will be available at our website, www.chemicals.scg.co.th, or can be obtained from the SCG Plastics/SCG Performance 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
 - Statement on compliance to food contact regulations

Disclaimer

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

EL-Lene™ EL-Pro™ EL-Wax™



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