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## SILIKE SF-105A

## Technical Data Sheet

### Slip&Anti-Block Masterbatch

#### Product Description

**SF-105A** is a super-slip masterbatch contains a unique anti-block agent providing good anti-blocking combined with low coefficient of friction. It is mainly used in BOPP films, CPP films, oriented flat film applications and other products compatible with polypropylene. It can significantly improve anti-blocking & smoothness of the film, and the lubrication during processing, can greatly reduce the film surface dynamic and static friction coefficient, make the film surface more smooth. At the same time, SF-105A has a special structure with good compatibility with the matrix resin, no precipitation, no sticky, and no effect on the transparency of film. It is mainly used for the production of high speed single pack cigarette film which requires good hot slip against metal.

#### Product Specifications

Grade	-	SF-105A
Appearance	-	White or off-white pellet
Melt index (190°C、2.16KG)	-	5~15
Polymer carrier	-	PP
Slip additive	-	Ultra-high molecular weight polydimethylsiloxane (PDMS)
PDMS content	%	14- 16
PDMS molecular weight	Mn	Min 20 000
	Mw	Min 65 000
Antiblock additive	-	Silicon dioxide  (SiO <sub>2</sub> ) modified for enhanced encapsulation in the polymer carrier
SiO <sub>2</sub> content	%	4 - 6
SiO <sub>2</sub> particle shape	-	Round-shaped beads
SiO <sub>2</sub> particle size	D50	max 4
	D95	max 6



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### Features:

- Good Anti-Blocking
- Suitable for Metallisation
- Low Haze • Non-Migrating Slip

### Processing Method

- Cast Film Extrusion
- Blown Film Extrusion
- BOPP

### Benefits

- Improve surface quality including no precipitation, no sticky, no effect on transparency, no effect on the surface and printing of film, lower Coefficient of friction, better surface smoothness;
- Improve processing properties including better flow ability, faster throughput ;
- Good anti-blocking & smoothness, lower Coefficient of friction, and better processing properties in PE, PP film

### Recommended Dosage

2 to 7% in the skin layers only and depending on the level of COF required. Detailed information available upon request

### Transportation & Storage

This product could be transported as non-hazardous chemical. It is recommended to be stored in a dry and cool area with a storage temperature below 50 ° C to avoid agglomeration. The package must be well sealed after each use to prevent the product from being affected by moisture.

### Package & Shelf life

The standard packaging is a craft paper bag with PE inner bag with net weight of 25kg . Original characteristics remain intact for 12 months from the production date if kept in recommend storage.

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