



## SILIMER 5090

### Description

SILIMER 5090 is long chain alkyl-modified siloxane masterbatch containing polar functional groups. It is mainly used in PE, PP and other polyolefin films, cables & wires, can significantly improve smoothness, processing properties, and the lubrication during processing, can greatly reduce the surface dynamic and static friction coefficient, make surface more smooth. At the same time, SILIMER 5090 has a special structure with good compatibility with the matrix resin, no precipitation, no effect on the transparency of film.

### Product Specifications

Grade	SILIMER 5090	
Appearance	White or light yellow pellet	
Resin Base	LLDPE	
Melt index (190°C、2.16KG)	5~25	
Dosage	% (w/w)	0.5~5

### Application advantages

- 1) Improve surface quality including no precipitation, no effect on transparency, no effect on the surface and printing of film, lower Coefficient of friction, better surface smoothness;
- 2) Improve processing properties including better flow ability, faster throughput;

### How to use

Addition levels between 0.5~5.0% are suggested. It can be used in classical melt blending process like Single /Twin screw extruders, injection molding and side feed. A physical blend with virgin polymer pellets is recommended.

### 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.