



Silicone Masterbatch LYSI-01K

Description

LYSI-01K is a pelletized formulation with 50% ultra high molecular weight siloxane polymer dispersed in low density polyethylene (LDPE). It is widely used as an efficient additive for PE compatible resin system to improve the processing properties and surface quality, such as better resin flow ability, mold filling & release, less extruder torque, lower coefficient of friction, greater mar and abrasion resistance ...

Fundamental Parameters

Grade	LYSI-01K	
Appearance	White pellet	
Silicone content	%	50
Carrier	LDPE	
Melt index (190°C, 2.16KG)	g/10min	10.0 (typical value)
Dosage	% (w/w)	0.5~5

Benefits

- (1) Improve processing properties including better flow ability, reduced extrusion die drool, less extruder torque, better molding filling & release.
- (2) Improve surface quality like surface slip, lower Coefficient of friction, Greater abrasion & scratch resistance.
- (3) Faster throughput, reduce product defect rate.
- (4) Enhance stability compare with traditional processing aid or lubricants.

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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.

A physical blend with virgin polymer pellets is recommended.

Package

25Kg / bag, craft paper bag.

Storage

Transport as non-hazardous chemical. Store in a cool, well ventilated place.

Shelf life

Original characteristics remain intact for 24 months from the production date, if kept in recommend storage.