



Masterbatches e Additivi per Materie Plastiche ed Elastomeri

FERRO-PLAST S.r.l.

Via Grandi, 25 - 20090 Vimodrone (Mi)

Tel. +39.02.27409415 Fax +39.02.27409420 E-mail ferroplast@ferroplast.com - www.ferroplast.com

SiliconLube SI-100

Informazioni Tecniche

ADDITIVO SILICONICO IN POLVERE

Introduction

SILICONLUBE SI-100 is a super slip thermoplastic additives which contain 70% ultra-high molecular weight siloxane polymer without any organic resin carrier. It overcomes the weakness of traditional silicone oil easily to screw up. A small amount addition can significantly improve the flow ability of resin and processing properties. Now it is widely used to improve the lubricity and surface quality of plastics.

Typical performance:

Appearance White powder

Silicone content 70 %

Dosage 0.2-2,0 %

Features

- Improving the processing performance, less extruder torque, reduced equipment wear, better mold filling and reduce product defect rate
- Obvious lower the coefficient of friction, improve surface smoothness, enhance the surface silk texture, scratch and abrasion resistance.
- Enhanced fuel resistance, reduced smoke density, improve the impact strength and surface gloss of fuel resistance (high filling) materials
- Good dispersion, no bleeding on surface.

Applications:

- Modification of plastics, engineering plastics, cable compounds, elastomers, thin-walled complicated parts, silicone core pipe, plastic pipe and so on.
- For cable compounds, obvious improve processing properties and surface finish.
- For PVC film/sheet to improve the surface smoothness and processing properties.
- For PVC, PA, PC, PPS, PMMA high temperature engineering plastics, can improve the flow of the resin and processing properties, promote the crystallization of PA, improve the surface smoothness and impact strength.

Use methods:

SILICONLUBE SI-100 mixed with the other materials at a certain proportion, Pelleting/Granulating process is necessary for better performance.

Recommend dosage: when added at 0.2% to 1,0 %, can improve the product's processing, liquidity and mold release.

At a high level: 1% to 2% can improve the surface properties (smoothness, finish, scratch resistance and abrasion resistance).

Package & Storage

Package: 20 Kg, paper bag

Storage: Non-dangerous goods, 24 months at dry condition, room temperature.