



DIAMOND ADDITIVE

Plastic Additives Supplier

PRODUCT DATA SHEET

Silicone Additive

SI-100

SI-100 is a super slip thermoplastic additive 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. 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%

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.

Typical 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:

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

Recommend dosage:

Added at 0.2%to 1%, 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: 20Kg Boxes.

Note: All information given herein is only a recommendation. Its use shall remain the sole responsibility of the customer. No patent guarantee whatsoever shall be implied.

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