

## SiSiB® MB16625 Silicone SAN Masterbatch

### INTRODUCTION

SiSiB® MB16625 is a pelletized masterbatch containing 50% ultra-high molecular weight polydimethylsiloxane (UHMW PDMS) uniformly dispersed in a styrene-acrylonitrile (SAN) copolymer carrier. It is designed to improve surface properties and processability in engineering thermoplastics. The product offers low volatility, excellent dispersion, and compatibility with most standard compounding and molding processes.

### BENEFITS

- Enhances scratch and abrasion resistance
- Lowers surface coefficient of friction
- Improves processing flow and internal/external lubrication
- Increases mold filling and extrusion throughput
- Improves surface gloss and slip
- Non-migrating, no precipitation, not interfere with printing or coating
- Promotes filler dispersion and is compatible with other additives

### PHYSICAL PROPERTIES

Color and Appearance	White to yellow pellets
Density	1.00g/cm <sup>3</sup>
Carrier Resin	SAN
MFR (190°C/2.16kg, g/10min)	20.0
Active Content	50%
Heating Loss	Max. 0.3%
Dosage	0.5%-5.0%

These values are typical and not intended for specification purposes.

### APPLICATIONS

SiSiB® MB16625 is suitable for use in engineering plastics such as PC, ABS, PS, PVC.

### USAGE GUIDELINES

Typical dosage levels range from 0.5% to 5.0%, depending on performance requirements.

SiSiB® MB16625 can be dry blended with base resin pellets and processed directly through extrusion, injection molding, or film blowing without special equipment.

## SiSiB® MB16625 Silicone SAN Masterbatch

The SAN carrier complies with FDA 21 CFR 181.32, and the siloxane component complies with FDA 21 CFR 181.28, making this product suitable for use in food contact applications in accordance with U.S. regulations.

### PACKING

The standard packaging is net weight 25kg PE bag, 500kg/pallet.

### HANDLING

This document does not contain the product safety information required for safe use. Before handling, please refer to the product and safety data sheets, as well as container labels, for information on safe usage, physical hazards, and health risks. Safety Data Sheet is available on the website, from the distributor, or by contacting SiSiB customer service.

### STORAGE

Store in a cool and ventilated place. In the original unopened packaging, SiSiB® MB16625 has a shelf life of 24 months at dry condition and room temperature.

### NOTE

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

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