

# SiSiB® SiTV173 Anti-squeaking Silicone Masterbatch

## INTRODUCTION

SiSiB® SiTV173 is a silicone masterbatch designed to provide permanent anti-squeak performance in PC/ABS applications. It works by reducing stick-slip behavior between contacting plastic parts, thereby minimizing noise, vibration and harshness (NVH) without the need for secondary surface treatments.

SiSiB® SiTV173 is incorporated during compounding or molding processes, enabling efficient noise reduction while maintaining the key mechanical properties of PC/ABS.

## BENEFITS

- Excellent anti-squeak performance (RPN < 3, per VDA 230-206)
- Reduced stick-slip behavior between contacting parts
- Immediate and permanent noise-reduction effect
- Lower coefficient of friction (COF)
- Minimal impact on key PC/ABS mechanical properties (impact, modulus, strength, elongation)
- Effective performance at low addition levels (around 4 wt%)
- Free-flowing pellets with good handling characteristics

## PHYSICAL PROPERTIES

Appearance:	White pellet	
MI (190°C, 10Kg, g/10min)	20.2	ISO 1133
Density (g/cm <sup>3</sup> )	0.97	ISO 1183

*These values are typical and not intended for specification purposes.*

## APPLICATIONS

SiSiB® SiTV173 is intended for use in PC/ABS parts where squeak noise caused by friction and vibration is a concern, including:

- Automotive interior components  
(trim, instrument panels, center consoles)
- Appliance parts  
(refrigerator trays and bins, washing machines, dishwashers)
- Construction components such as window frames

## USAGE GUIDELINES

SiSiB® SiTV173 can be added during PC/ABS compounding or introduced directly during injection molding, provided adequate dispersion is achieved.

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- Typical addition level: 3-8 wt%
- Effective anti-squeak performance is commonly achieved at ~4wt%, depending on formulation and testing results

### PACKING

SiSiB® SiTV173 is supplied in 25 kg paper-plastic composite bags with polyethylene inner liners.

### 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

In the original unopened packaging, SiSiB® SiTV173 has a shelf life of 24 months in a cool and well-ventilated place.

### 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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