

# ADDSiL™ 2470 Epoxy Silicone Resin

## INTRODUCTION

ADDSiL™ 2470 is an epoxy-functional silicone resin (oligomer) designed to be used as a reactive modifier in high-performance resin systems. The unique combination of a siloxane backbone and epoxy functionality provides coatings and adhesives with superior thermal resistance, flexibility, and chemical durability.

## FEATURES & BENEFITS

- Excellent miscibility with alicyclic epoxy resins
- High heat resistance
- Low shrinkage during curing due to cyclic siloxane structure
- Excellent resistance to moisture, chemicals, and weathering
- Improves flexibility while maintaining hardness and modulus

## PHYSICAL PROPERTIES

Appearance	Light yellow transparent liquid
Solid Content 120°C, 2h, %	90.0
Viscosity (25°C, cP)	300-3,000
Epoxy equivalent g/mol	180-210

Note: These values are typical and are not intended for use as specifications.

## APPLICATIONS

ADDSiL™ 2470 is widely used as a reactive modifier in epoxy resin systems for coatings, adhesives, inks, and electronic applications. By incorporating this epoxy-functional silicone resin, formulations gain improved thermal stability, higher glass transition temperature, and enhanced flexibility without compromising hardness.

It is especially effective in conformal coatings and UV/thermal cationic curing systems, where it provides excellent chemical resistance, durability against moisture, and low cure shrinkage, making it suitable for high-performance composites and long-term protective finishes.

## PACKING

ADDSiL™ 2470 is available in 25Kg drums.

## 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,

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from the distributor, or by contacting SiSiB customer service.

### STORAGE

When stored at temperatures between 5°C and 38°C in the original unopened containers, ADDSiL™ 2470 has a shelf life of 24 months from the date of production.

### 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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