

SNAPSIL™ TUV3505-C UV CURABLE SILICONE SEALANT

Product Description

SNAPSIL™ TUV3505-C is a one-component UV curable silicone sealing material that features a UV cure formulation. The UV cure formulation helps enable a quicker cure as well as physical stability with exposure to UV light followed by a secondary room temperature or thermal cure mechanism that gradually improves adhesion to the substrate. The secondary cure feature also ensures full cure in shadow areas where UV light penetration is limited. SNAPSIL TUV3505-C has a soft post cure property that contributes to stress-relief of delicate electronic components.

Key Features and Typical Benefits

- Convenient, one-part solution
- Fast UV primary cure, which can contribute to reduction in cycle times
- Secondary room temperature cure to build adhesion and help better cure shadow sections
- Can provide good electrical properties

Typical Physical Properties

	Unit	TUV3505-C
Uncured Properties		
Appearance	-	Translucent
Viscosity(20 rpm)*1	Pa.s	12.5
Thixotropic index*1	-	1.5
Primary Cure(UV)	LED 365nm	5,000 mJ/cm2
Secondary Cure	50RH%	25°C for 3days
Density	g/cm3	1.01
Hardness	Shore A	42
Tensile strength	MPa	2.5
Elongation	%	150
Adhesion strength*2	MPa	1.5
Tack free time by only moisture, without UV	min	10
Low Volatile Siloxane	ppm((D4~D10))	<300
UV cure depth	mm	3.0
Shelf life*3	month	9

*1: viscosity - 20rpm, Rheometer, Thixotropic Index - 10rpm/20rpm, Rheometer

*2: Glass, FR-4 Lap shear

*3: storage condition sealed at 5°C

Typical properties are average data and are not to be used as or to develop specifications.

General Considerations for Use

- A sample patch should always be tested prior to proceeding in order to determine compatibility.
- All parts should be as clean and dry as possible prior to application.
- Eye protection and protective gloves should be always worn when working with this product.
- Always maintain adequate ventilation in the workplace.
- Keep out of the reach of children.

Storage

- Store in a cool dry place out of direct sunlight
- Shelf life at 5°C is 9 months

Available Package

- 300ml Cartridge
- 50ml EFD Syringe

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute the permission, inducement, or recommendation to practice any invention covered by any patent without authority from the owner of the patent.

Product Safety, Handling, and Storage

Customers should review the latest Safety Data Sheet (SDS) and label for product safety information, safe handling instructions, personal protective equipment, if necessary, emergency service contact information, and any special storage conditions required for safety. Momentive Performance Materials (MPM) maintains an around-the-clock emergency service for its products. SDS are available at www.momentive.com or, upon request, from any MPM representative. For product storage and handling procedures to maintain the product quality within our stated specifications, please review Certificates of Analysis, which are available in the Order Center. Use of other materials in conjunction with MPM products (for example, primers) may require additional precautions. Please review and follow the safety information provided by the manufacturer of such other materials.

Limitations

Customers must evaluate Momentive Performance Materials products and make their own determination as to fitness of use in their particular applications.

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