

SnapSil* TN3085

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Description

SnapSil TN3085 is a one-component, thermally conductive, low volatile siloxane, silicone adhesive that cures at room temperature upon exposure to atmospheric moisture. It cures to form an elastic, flame retardant silicone rubber and exhibits primerless adhesion to many substrates.

Key Features and Benefits

- Fast tack-free time
- Flame retardant (UL94 V-0, File Number E56745)
- Low volatility
- Non-corrosive to most metals
- Primerless adhesion to many substrates
- Low odor cure: releases an alcohol vapor during cure
- Thermally conductive

Typical Physical Properties

Uncured Properties	
Appearance	Non-flowable paste, gray, white
Tack-free Time (23°C) min	7
Cured Properties (3 days @ 23°C, 50% RH)	
Appearance	Gray, white rubber
Density (23°C) g/cm ³	1.63
Hardness (Type A)	46
Tensile Strength MPa	2.3
Elongation %	150
Adhesion Strength(1) MPa	1.3
Volatile Siloxane(2) (D4-D10) wt%	0.01
Thermal Conductivity (W/mK) (1)	0.7

Volume Resistivity ohm•cm		4.0x10 ¹⁴
Dielectric Strength kV/mm		23
Dielectric Constant (60Hz)		4.0
Dissipation Factor (60Hz)		0.04
Impurities(2) ppm	Na+	<2
	K+	<2
	Cl-	<2

(1) Hot wire method (2) In-house test method Typical property data values should not be used as specifications.

Potential Applications

- Bonding in power supplies
- Thermal adhesive between electronic components and heat sinks
- Securing PCBs to substrates

Patent Status

Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a 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.

Contact Information

For product prices, availability, or order placement, contact our customer service at Momentive.com/contact/customer-service

For literature and technical assistance, visit our website at: www.momentive.com

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