

SnapSil* TN8000

Fast Cure, Non-corrosive Silicone Adhesive Sealant

Product Description

SnapSil TN8000 silicone adhesive sealant is a one-component, fast cure, non-corrosive silicone adhesive sealant that cures on exposure to atmospheric moisture to form an elastic silicone rubber. SnapSil TN8000 silicone adhesive sealant has a thixotropic paste consistency and excellent corrosion-free adhesion to metals, including copper, plastics, glass without the use of primers.



Key Features and Typical Benefits

- Fast room temperature cure; neutral alkoxy cure type
- Primer less adhesion to many substrates
- Excellent adhesion after extended aging, with excellent dielectric properties
- Flame retardant: UL94HB certified (File No. E56745)
- Wide operating temperature range from -50 to +200 °C

Typical Physical Properties

(JIS K 6249)

UNCURED PROPERTIES (23°C, 50%RH)		SnapSil TN8000-W, -B, -G sealant
Appearance		Non-flowable, white, black, gray
Tack Free Time	Min	20
CURED PROPERTIES (7days at 23 °C, 50%RH)		
Appearance		Elastic rubber, white, black, gray
Density	g/cm ³	1.41
Hardness (Type A)		33
Tensile Strength	MPa	2.2
Elongation	%	620

Adhesive Strength ⁽¹⁾	MPa	1.8
Thermal Conductivity ⁽²⁾	W/(m·K)	0.38
Linear Expansion ⁽³⁾	1/K	2 x 10 ⁻⁴
Volume Resistivity	MΩ·m	7 x 10 ⁶
Dielectric Strength	kV/mm	21
Dielectric Constant (60Hz)		3.9
Dissipation Factor (60Hz)		0.04

⁽¹⁾ Aluminum lap shear. ⁽²⁾, ⁽³⁾ In-house test method.

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

Potential Applications

- Insulating adhesive sealing and fixing for electrical and electronic parts
- Waterproof sealant for electrical, electronic and communication equipment
- General adhesive for metals, glass, plastics, etc.



Adhesion Performance

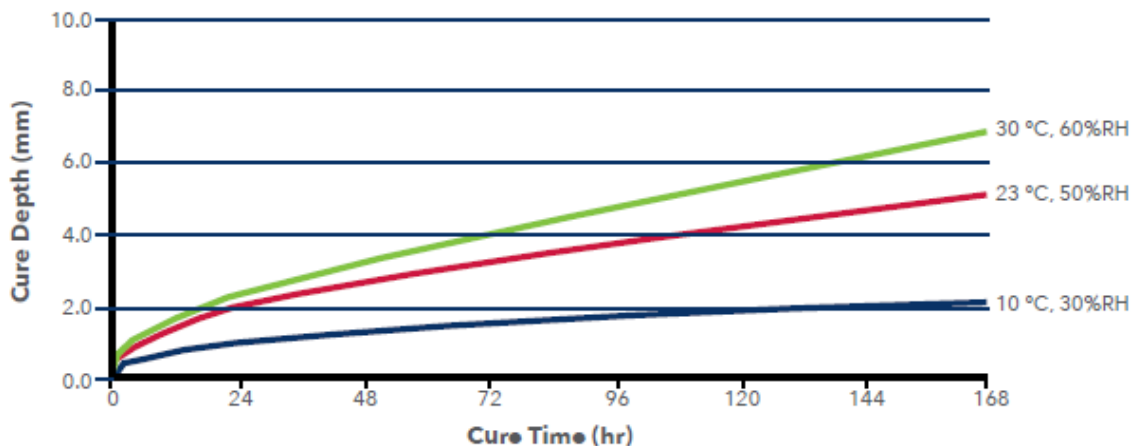
SnapSil TN8000 silicone adhesive sealant has excellent bonding properties and has demonstrated adherence to any materials without primers.

	SnapSil TN8000-W, -B, -G sealant
Aluminum	O
Stainless steel	O
Copper	O
Mild steel	O
Zinc plate	O
Nickel plate	O
Acrylic resin	O
Polyester	O
Epoxy resin	O
Polycarbonate	O
ABS	O
PBT (Polybutylene terephtharate)	O
PPS (Polyphenylene sulfide)	O
PET (Polyphenylene terephtharate)	O
PPE (Polyphenylene ether)	O
Modified PPO	O
Phenolic resin	O
Nylon-6	O
Nylon-66	O
PVC (Polyvinyl chloride)	O
Glass	O
PE (Polyethylene)	X
PP (Polypropylene)	X

O: Adheres completely (Cohesive failure), x: Does not adhere
 Test data. Actual results may vary.

Cure Performance





Note: Test data. Actual results may vary.

General Considerations for Use

- Substrate surface should be thoroughly cleaned with a suitable solvent such as alcohol, xylene methyl ethyl ketone (MEK) etc.
- Wear eye protection and protective gloves as required while handling.
- Adequate ventilation must be maintained in the work place at all times.



Current Packaging

- 333ml cartridge in case of 10
- 25kg pail

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.

Contact Information

For product prices, availability, or order placement, contact our customer service at [Momentive.com/Customerservice/](https://www.momentive.com/Customerservice/)

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



DISCLAIMER:

THE MATERIALS, PRODUCTS AND SERVICES OF MOMENTIVE PERFORMANCE MATERIALS INC. AND ITS SUBSIDIARIES AND AFFILIATES (COLLECTIVELY “SUPPLIER”), ARE SOLD SUBJECT TO SUPPLIER’S STANDARD CONDITIONS OF SALE, WHICH ARE INCLUDED IN THE APPLICABLE DISTRIBUTOR OR OTHER SALES AGREEMENT, PRINTED ON THE BACK OF ORDER ACKNOWLEDGMENTS AND INVOICES, AND AVAILABLE UPON REQUEST. ALTHOUGH ANY INFORMATION, RECOMMENDATIONS, OR ADVICE CONTAINED HEREIN IS GIVEN IN GOOD FAITH, SUPPLIER MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, (i) THAT THE RESULTS DESCRIBED HEREIN WILL BE OBTAINED UNDER END-USE CONDITIONS, OR (ii) AS TO THE EFFECTIVENESS OR SAFETY OF ANY DESIGN INCORPORATING ITS PRODUCTS, MATERIALS, SERVICES, RECOMMENDATIONS OR ADVICE. EXCEPT AS PROVIDED IN SUPPLIER’S STANDARD CONDITIONS OF SALE, SUPPLIER AND ITS REPRESENTATIVES SHALL IN NO EVENT BE RESPONSIBLE FOR ANY LOSS RESULTING FROM ANY USE OF ITS MATERIALS, PRODUCTS OR SERVICES DESCRIBED HEREIN. Each user bears full responsibility for making its own determination as to the suitability of Supplier’s materials, services, recommendations, or advice for its own particular use. Each user must identify and perform all tests and analyses necessary to assure that its finished parts incorporating Supplier’s products, materials, or

www.ReinhardOil.dk - T: 70267007

services will be safe and suitable for use under end-use conditions. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of Supplier's standard Conditions of Sale or this Disclaimer, unless any such modification is specifically agreed to in a writing signed by Supplier. No statement contained herein concerning a possible or suggested use of any material, product, service or design is intended, or should be construed, to grant any license under any patent or other intellectual property right of Supplier covering such use or design, or as a recommendation for the use of such material, product, service or design in the infringement of any patent or other intellectual property right.

Momentive and the Momentive logo are trademarks of Momentive Performance Materials Inc.



www.ReinhardOil.dk - T: 70267007