

Dow Corning Toray SE 9592 HT Heat Resistant Sealant

FEATURES

- One-part, neutral cure silicone sealant; cures at room temperature upon exposure to moisture in the air
- May be used in applications with continuous exposure to 250°C and intermittent exposure to 300°C

COMPOSITION

- One-part, neutral-cure RTV sealant

One-part, neutral-cure RTV sealant
Temperature resistant silicone adhesive/sealant

APPLICATIONS

The high temperature properties of this sealant make it ideally suited for;

- Sealing microwave oven window
- Sealing industrial ovens and boilers
- Sealing and encapsulating heating elements in appliances
- Other critical bonding, sealing, potting, encapsulating and protective coatings where parts must perform at high temperatures

TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

CTM*	ASTM**	Property	Unit	Result
		As supplied		
0176		Appearance		Semi-flowable
		Color		Black
0098		Skin-over time	minutes	20
		Mechanical properties		
0097B	D1475	Space gravity		1.20
		Durometer, JIS-A		29
0137A	D412	Tensile Strength	MPa	1.5
0137A	D412	Elongation	%	250

*CTM: Corporate Test Method, copies of CTM's are available on request.

**ASTM: American Society for Testing and Materials.

DESCRIPTION

Dow Corning Toray SE 9592 HT Heat Resistant Sealant is a one-part, semi flowable neutral cure RTV that cures to a rubbery solid at room temperature on exposure to water vapor in the air. This silicone product is formulated to perform at temperatures ranging from -50 to 250°C for continuous operation and to 300°C for intermittent exposure. It can be used for numerous sealing and bonding applications.

HOW TO USE

Surface Preparation

All surfaces should be clean and dry before sealant application.

Application

Dow Corning Toray SE 9592 HT Heat Resistant Sealant is supplied ready to use. Under pressure, it flows readily from its container. If needed, tool the sealant with light pressure to spread it against the substrate.

HANDLING PRECAUTIONS

Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The material safety data sheet is available on the Dow Corning website at dowcorning.com. You can also obtain a copy from your local Dow Corning sales representative or Distributor or by calling your local Dow Corning Global Connection.

STORAGE

Product should be stored at or below 32°C (90°F) in original, unopened containers. The most up-to-date shelf life information can be found on the XIAMETER® Web site in the Product Detail page under Sales Specification.

LIMITATIONS

Dow Corning Toray SE 9592 HT Heat Resistant Sealant is not recommended:

- For continuous water immersion
- In applications where excessive abrasion and physical abuse are encountered
- On materials that bleed oils, plasticizers or solvents; materials such as impregnated wood, oil-based caulks, and certain green or partially vulcanized rubber gaskets and tapes
- In totally confined spaces where the sealants is not exposed to atmospheric moisture
- On surfaces that will be painted; the paint film will not stretch with the extension of the sealant and may crack and peel

In confined cure conditions, Dow Corning Toray SE 9592 HT Heat Resistant Sealant may:

- Discolor brass, copper or other sensitive metals
- Stress craze polycarbonate

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

HEALTH AND ENVIRONMENTAL INFORMATION

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our Web site, dowcorning.com or consult your local Dow Corning representative.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

Dow Corning's sole warranty is that our products will meet the sales specifications in effect at the time of shipment.

Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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