



Consumer Solutions

Solutions from Dow for Home Appliances



Sealants for the Home Appliance Market

When it comes to providing safety, reliability, durability and compatibility for the home appliance market, designers and engineers around the world turn to us for sealant solutions.

Innovative technology is designed into our DOWSIL™ sealants. Every product is backed by our commitment to provide design and processing answers when you need them.

Our functionality testing, application engineering and equipment/material integration provide you with a total systems solution. Our product range and engineering expertise make us the ideal partner for cooperation and development of projects for modified or new products.

- **Tailored approach** – Global capabilities but can tailor a solution that can satisfy local needs.
- **Environmentally friendly** – Our silicone-based products do not contain heavy metals or unwanted chemicals.
- **Total solution** – We offer a wide selection of sealants for all applications to help you make the right choice the first time.

As the global leader in silicon-based technology and with more than 70 years of experience as a silicone supplier, Dow provides products, services and business solutions to meet your needs exactly. Whether you need to boost performance; lower costs; or increase customer satisfaction with your systems, modules and components, we have experts who can help.

When you select us as your business partner, you get fully integrated application and engineering support, along with high-quality products and materials. From parts manufacturing to consulting to critical components' design, our experts can customize solutions that provide safety, reliability and durability for the home appliance market.

This guide will assist you in selecting the best sealant for your specific application needs. Technical data sheets are available for all products.



DOWSIL™
silicones by 

Sealants

Even in harsh environments or extreme temperatures, many of our sealants can meet your needs.

Our sealants are formulated using a variety of product technologies, each providing strengths and characteristics unique to its chemistry.

Silicon-based sealants last longer and are more versatile than most organic polymer sealants. Our products offer exceptional performance characteristics and meet a wide variety of your industrial bonding and sealing needs.

Selecting the right product can help you lower costs by improving performance. Our technical experts can help you choose the right solution to enhance the value of your product.

Let us know which product features are most important to your application. We can tailor our products and services according to your specific requirements.



Features of silicone sealants include:

- **Stability over a wide temperature range** – When fully cured, many of our products can be used at temperatures ranging from -85° to 599°F (-65° to 315°C).
- **Weather resistance** – Our products provide high resistance to UV rays, radiation and weather to prevent hardening, cracking, crumbling, drying and becoming brittle
- **Chemical stability** – Our sealants do not readily degrade, even under long-term exposure to many chemicals and atmospheric pollutants.
- **Good bond strength** – Our products provide good adhesion to a wide variety of industrial materials, including glass, ceramics and wood masonry; painted surfaces; and many metals and plastics
- **Electrical properties** – Designed for a variety of applications, our products can be used in various electrical and electronic applications, including devices that are thermally cycled over a wide temperature range
- **Low flammability** – In fire conditions, silicone adhesives/sealants resist burning. Many products comply with UL flammability standards

When you specify one of our products for your home application, you receive a solution backed by the world leader in silicone technology with more than 70 years of expertise and innovations.

Application	Part	Recommended Products	Performance Requirements
Steam Iron	<ul style="list-style-type: none"> • Steam chamber adhesive, seal • Sole plate adhesive, seal 	XIAMETER™ ADH-6066 Adhesive, DOWSIL™ 736 Heat Resistant Sealant, DOWSIL™ Q3-3379 Flowable Adhesive/Sealant, XIAMETER™ 3-6458 A&B Kit	<ul style="list-style-type: none"> • Resistance against heat, hot water and water vapor • Good adhesion to aluminum, die cast aluminum and stainless steel
Oven	<ul style="list-style-type: none"> • Door window adhesive, seal 	XIAMETER™ ADH-6045 Adhesive, DOWSIL™ 3-6096 Adhesive, DOWSIL™ Q3-3526 Base and Catalyst Adhesive Sealant	<ul style="list-style-type: none"> • Resistance against heat (up to 250°C) • Good adhesion to glass, enamel, painted metal and stainless steel
Washing Machine	<ul style="list-style-type: none"> • Tub seal • Water pump seal • Water distributor seal 	DOWSIL™ 7091 Adhesive Sealant, DOWSIL™ 3-8159 RF Silicone Foam	<ul style="list-style-type: none"> • Good adhesion to metals and engineering plastics • Resistance against water and detergent • Anti-shake resistance
Dishwasher	<ul style="list-style-type: none"> • Steam generator seal • Water pump seal 	DOWSIL™ Q3-3379 Flowable Adhesive/Sealant, DOWSIL™ AS 7096N Sealant	<ul style="list-style-type: none"> • Good adhesion • Resistant to water and high temperature
Ceramic Hob	<ul style="list-style-type: none"> • Frame to kitchen desk foam seal • Glass to fram adhesive, seal 	XIAMETER™ 3-8119 RF A&B Kit, DOWSIL™ 732 Multi-Purpose Sealant, DOWSIL™ Q3-1566 Heat Resistant Adhesive/Sealant, DOWSIL™ Q3-3526 Base and Catalyst Adhesive Sealant	<ul style="list-style-type: none"> • Heat and hot-water resistant
Refrigerator	<ul style="list-style-type: none"> • Plastic/plastic, plastic/metal, seam seal • Silicone rubber gasket adhesive 	DOWSIL™ 732 Multi-Purpose Sealant, DOWSIL™ 737 Neutral Cure Sealant, DOWSIL™ 7091 Adhesive Sealant	<ul style="list-style-type: none"> • Good adhesion to plastics, metals and silicone rubber • Good adhesion/flexible bond at low temperatures
Coffee Pot	<ul style="list-style-type: none"> • Plastic/plastic, plastic/metal, seam seal • Heating plate seal • Seal for electrical parts 	DOWSIL™ 9-1363 Industrial Assembly Adhesive Sealant	<ul style="list-style-type: none"> • High green strength, good adhesion • Heat resistance • Detergent resistance
Microwave Oven	<ul style="list-style-type: none"> • Door window adhesive, seal 	DOWSIL™ 732 Multi-Purpose Sealant, DOWSIL™ SE 9592 HT Sealant	<ul style="list-style-type: none"> • Heat resistance • Good adhesion to glass and painted metal

Product availability may vary by region, so please check with your local Dow contact.

Global Presence. Local Support.

Dow's global presence enables you to develop specifications centrally while providing consistent high-quality products and services locally. Through our global sales, application engineering, product development, and manufacturing and delivery capabilities, our quality is consistent around the globe. This also enables a more effective and efficient product customization process – no matter where you are located!

How To Contact Us

To learn more about our extensive product and service offerings, visit **consumer.dow.com**.

Images: dow_40697636934, dow_40680138429, dow_40766287901

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