



## Technical Data Sheet

# DOWSIL™ LDC 737 Sealant

### **FEATURES & BENEFITS**

- Oxime cure; cures at room temperature upon exposure to moisture in the air
- Broad temperature range performance; cured material stays flexible from -85°F to 350°F (-65°C to 177°C)
- UL 94 TESTING HB Certified

### **COMPOSITION**

- One-part silicone rubber supplied as nonslumping paste

Multipurpose, one-part sealant for application in a wide range of industrial assembly and installation operations

### **APPLICATIONS**

DOWSIL™ LDC 737 Sealant is designed for diverse OEM and assembly applications. General uses include bonding and sealing, formed-in-place gasketing and maintenance applications. Specific uses include:

- Substitute for mechanical fasteners on large and small appliances
- Sealing refrigerator and freezer liners (however, not FDA-approved for food-contact applications)
- Sealing coaxial connectors
- Protecting instrumentation assemblies

### **TYPICAL PROPERTIES**

Specification Writers: These values are not intended for use in preparing specifications.

CTM <sup>1</sup>	Property	Unit	Result
<b>As Supplied</b>			
	Color		Translucent, white
0097	Specific Gravity		1.04
<b>Cure Characteristics – Exposed to Air at 77°F (25°C) and 50 percent RH</b>			
0098	Skin-Over Time	minutes	5
0095	Tack-Free Time, at 77°F (25°C) and 50 percent RH	minutes	15
<b>Physical Properties – As Cured 7 days at 77°F (25°C) and 50 percent RH</b>			
0099	Durometer Hardness, Shore A	points	27
0137A	Tensile Strength	psi	200
0137A	Elongation	percent	300%
0293	Lapshear on glass to aluminum	psi	196

<sup>1</sup>CTMs (Corporate Test Methods) correspond to standard ASTM (American Society for Testing and Materials) tests in most instances.

## DESCRIPTION

DOWSIL LDC 737 Sealant adheres without priming to a variety of materials and cures to a durable, flexible silicone rubber upon exposure to water vapor in the air.

## HOW TO USE

### Surface Preparation

All surfaces must be clean and dry. Metal and glass surfaces should be cleaned by wiping with a solvent such as DOWSIL™ OS fluids and an oil-free rag.

### Priming

Priming is not required for most glass, aluminum, steel and other common substrates. A test placement prior to general use is always recommended. Consult Dow for information regarding application on other substrates.

### Applying the Sealant

DOWSIL LDC 737 Sealant should be applied in a continuous operation. If needed, tool the sealant with light pressure to spread it against the substrate. Tool immediately after sealant application and before a skin forms.

Uncured sealant may be cleaned from tools and nonporous surfaces using DOWSIL OS fluids or commercial solvents. On porous surfaces, allow excess sealant to cure and then remove by abrasion or other mechanical means.

## HANDLING

## PRECAUTIONS

**PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON**

**THE DOW WEBSITE AT [WWW.CONSUMER.DOW.COM](http://WWW.CONSUMER.DOW.COM), OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.**

## STORAGE

Product should be stored at or below 32°C (90°F) in original, unopened containers.

## LIMITATIONS

DOWSIL LDC 737 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, oilbased caulks, and certain green or partially vulcanized rubber gaskets and tapes
- In totally confined spaces where the sealant 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, DOWSIL LDC 737 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.

## SHIPPING LIMITATIONS

None.

## HEALTH AND ENVIRONMENTAL INFORMATION

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and

regulatory compliance specialists available in each area.

For further information, please see our website, [www.consumer.dow.com](http://www.consumer.dow.com) or consult your local Dow 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.

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