

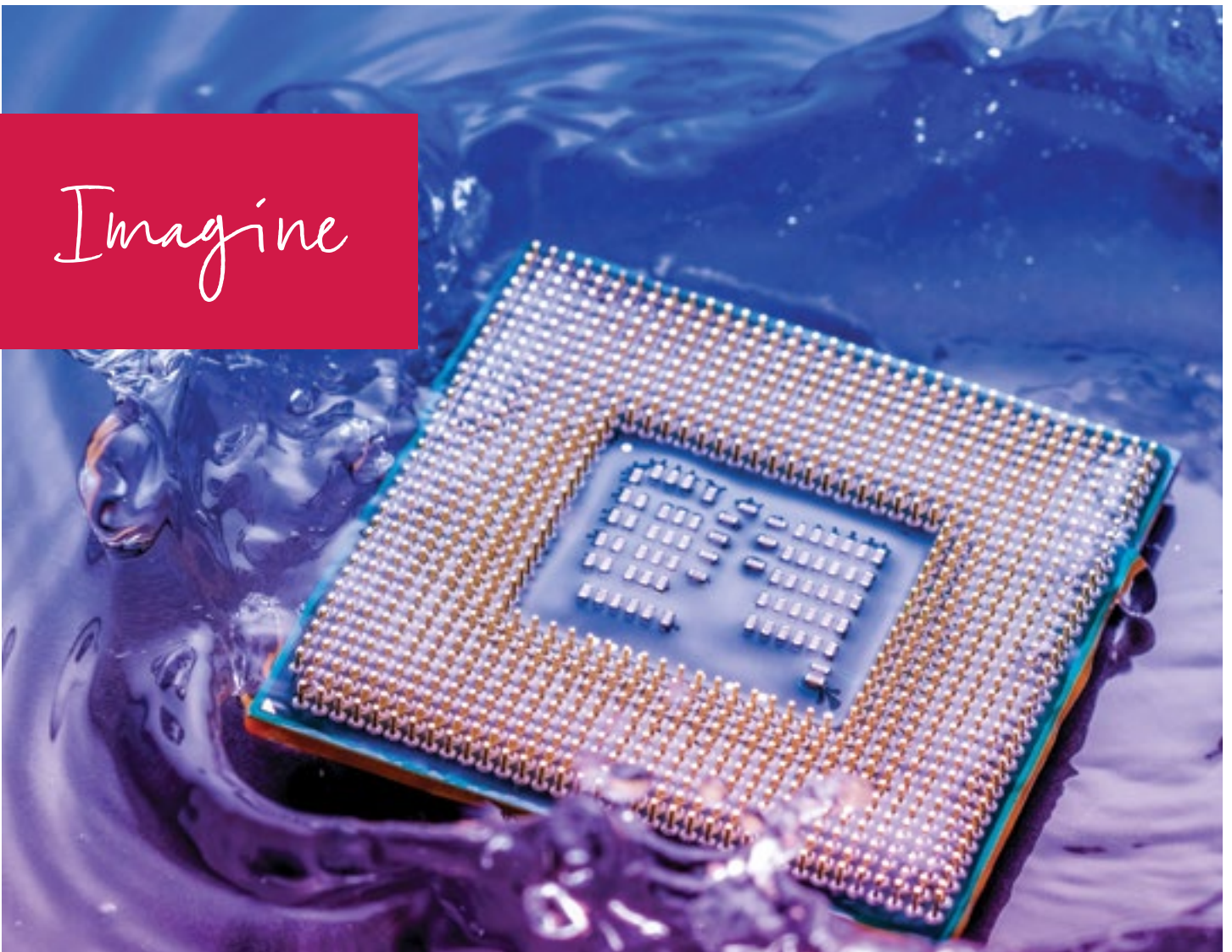


Encapsulants and Gels Selection Guide

**Minimizing Stress to Maximize Reliability
with Proven Silicone Encapsulants and Gels**



Imagine





Why Choose Dow Performance Silicones?

Dow Performance Silicones has been a global leader in silicone-based technology for more than seventy years. Headquartered in Michigan, USA, we maintain manufacturing sites, sales and customer service offices, and research and development labs in every major geographic market worldwide to ensure you receive fast, reliable support for your processing and application development needs.

Unique product technology

To describe Dow Performance Silicones is to describe the history and evolution of silicone technology, which generated a legacy of innovative and reliable products under the Dow Corning label for more than seven decades. Today that legacy continues under the DOWSIL™ brand name, which encompasses more than 7,000 proven silicone products and services. Few companies offer an encapsulant portfolio with comparable breadth and proven performance, and none match our history in silicone technology.

Extensive know-how

Dow Performance Silicones multiplies the value of its products with deep in-house expertise and an extended network of industry resources.

Collaborative culture

Dow Performance Silicones works closely with you to help reduce time and cost at every stage of your new product development.

Stability

For over seven decades, Dow Performance Silicones has been a global leader who invests in manufacturing and quality to help fuel customer innovation through a consistent supply of proven silicone products.

Why Choose a Silicone Encapsulant or Gel versus a Conformal Coating?

Encapsulants offer better protection and faster, simpler cure options than coatings when:

- PCB features and components are taller than 200 microns
- A PCB presents a more complicated landscape, or thin sensitive wires or solder joints



Why Choose Silicones versus Organic-Based Encapsulants and Gels?

As a class of materials, silicones generally offer demonstrable benefits over urethane and epoxy solutions, including:

- Maximum protection – especially from silicone gels – against mechanical stress caused by thermal cycling or mismatched coefficient of thermal expansion
- Extraordinary protection against shock and vibration
- Superior thermal stability for more reliable performance at sustained temperatures between -45°C and 200°C
- Greater hydro-stability and stronger resistance to chemicals and UV radiation
- Reduce or eliminate special precautions related to typical safe-handling of organics
- Cure schedule variation of silicones impose a significantly lower impact on end properties
- Simpler processing without the need for oven drying or concerns about exotherms
- Ease of repair when module rework is necessary
- A wide selection range of special features, targeting multiple functions like thermal management, improved processing efficiency and others

What's Best for Your Application, an Encapsulant or a Gel?

DOWSIL™ encapsulants and gels offer many of the same benefits, including excellent dielectric protection, strong seals against environmental contaminants, and excellent thermal stability and stress relief ranging from good to outstanding. Yet each material class offers distinguishing advantages.

| Encapsulants | Gels |
|--|---|
| Greater resistance to abrasion and damage | Maximum stress relief |
| Easily repairable for rework | Self healing |
| Unique options for: <ul style="list-style-type: none">· Self-priming adhesion· Optical and space grade· Thermal management | Unique options for: <ul style="list-style-type: none">· Solvent and fuel resistance· Rapid UV cure |



Easy Processing

Most encapsulants and gels in our portfolio are two-part addition cure silicones that, as a class of materials, offer several processing advantages over organic materials. Silicones can help to reduce or eliminate special handling precautions required for organics related to their toxicity. Unlike urethanes, they do not require the costly use of ovens to thoroughly dry components before processing. Unlike epoxies, silicones impose no concerns about exotherms.

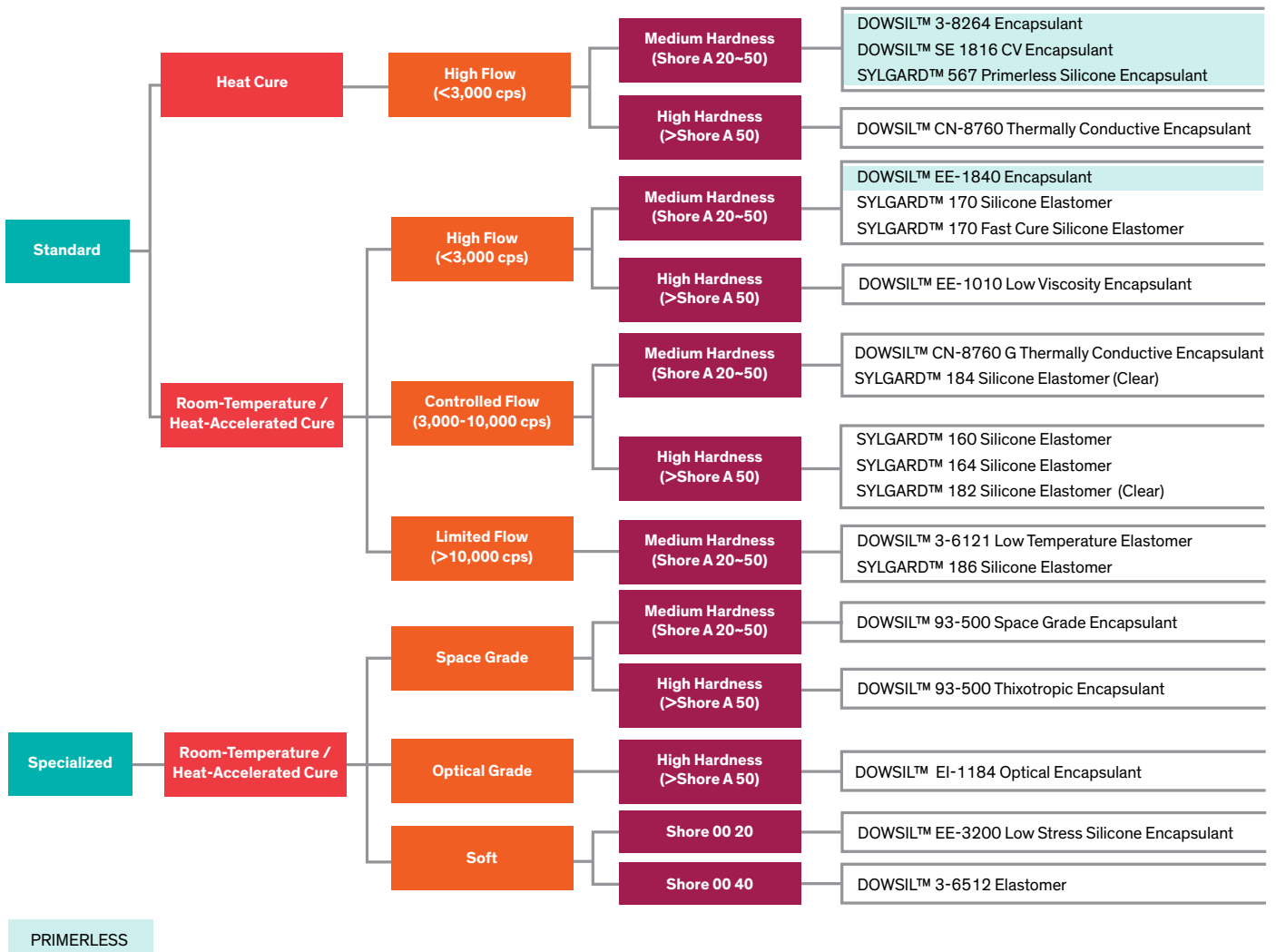
Dow Performance Silicones' portfolio of encapsulants and gels offers a wide variety of viscosities before cure, allowing either shorter cycle times or longer, more controlled flow according to your needs. Our broad selection also offers flexible options for simple, room-temperature cure or accelerated heat curing for enhanced productivity.

Choosing an Encapsulant

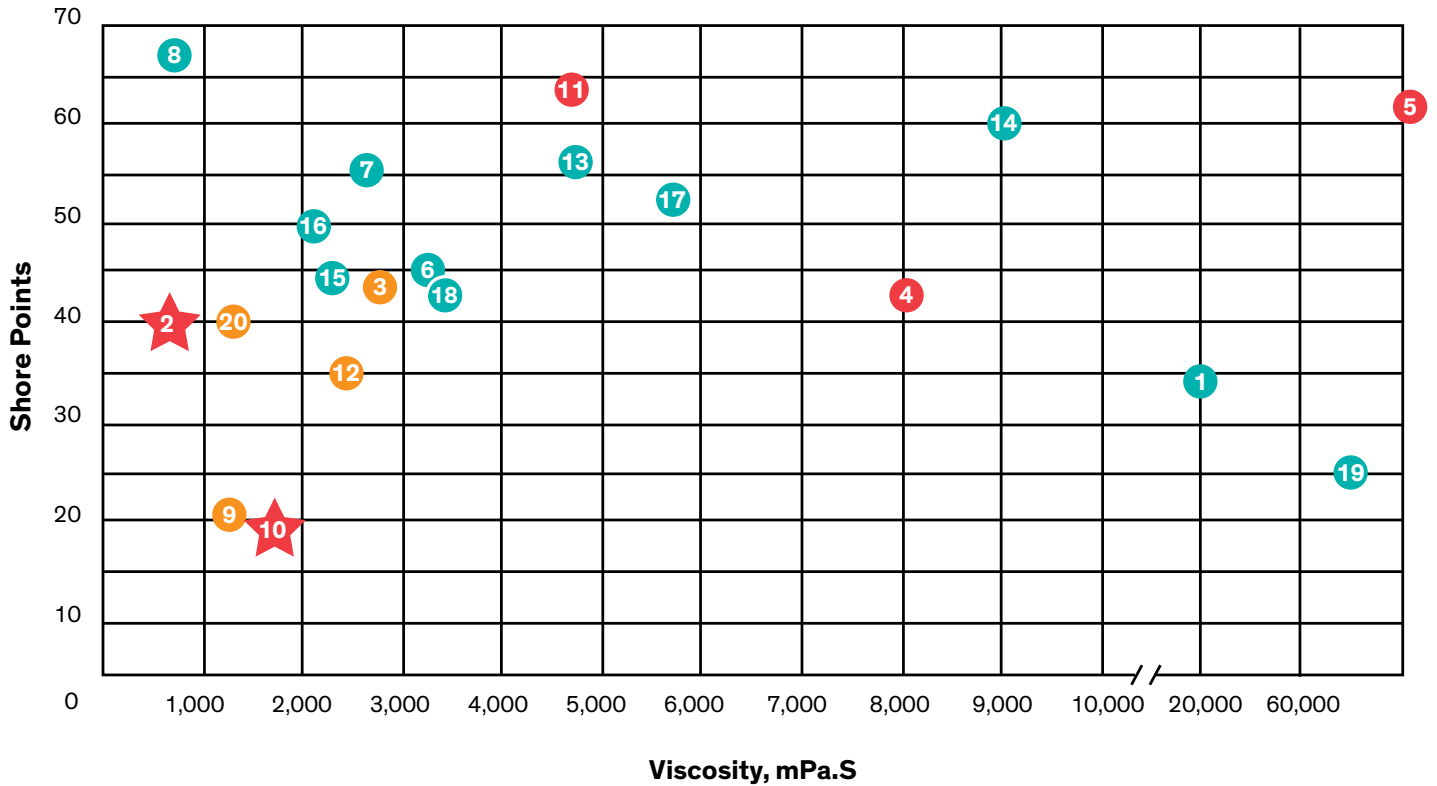
Encapsulants from Dow Performance Silicones generally fall into three categories: standard, primerless self-adhering, and specialty grades. Standard encapsulants require a priming step if strong adhesion is needed for extra protection. In contrast, self-priming encapsulants adhere to many common surfaces when heated to temperatures above 100°C during the cure process. With hardness ranging from Shore 00 20 to Shore A 65, encapsulants from either category offer a versatile selection of

proven solutions for any application. Our specialty grades offer unique properties and benefits, such as thermal conductivity, high transparency, or compliance with military specifications.

This product selection tree will help you quickly narrow your search for an optimal encapsulant for your application. Further details and properties of each product can be found in the product table starting on **page 6**.



Encapsulants Viscosity/Hardness

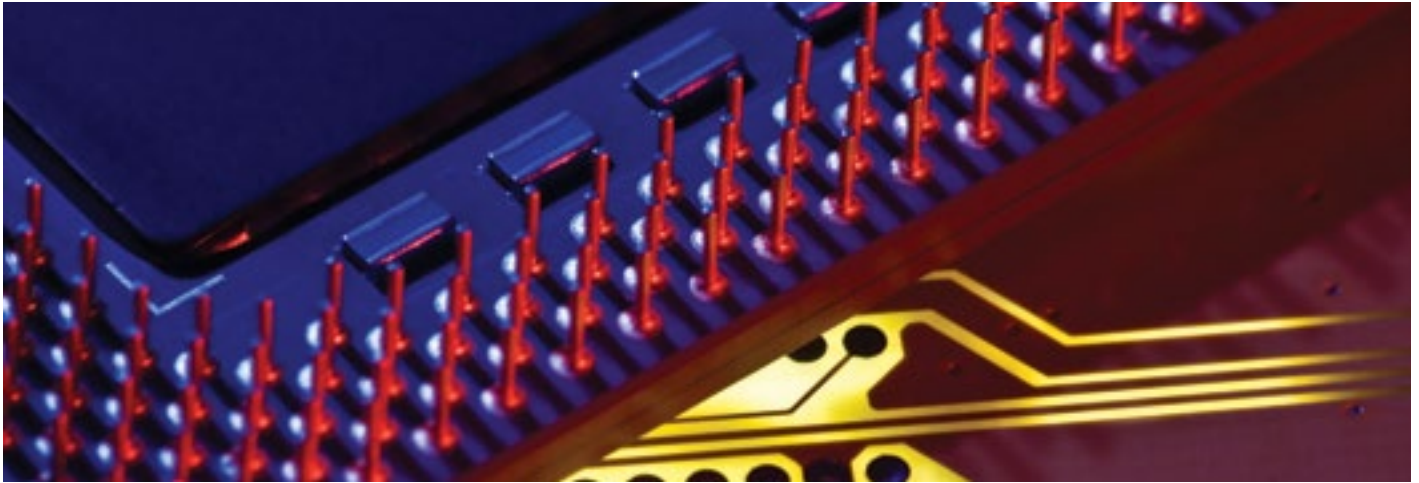


- 1 DOWSIL™ 3-6121 Low Temperature Elastomer
 - 2 DOWSIL™ 3-6512 Elastomer
 - 3 DOWSIL™ 3-8264 Encapsulant
 - 4 DOWSIL™ 93-500 Space Grade Encapsulant
 - 5 DOWSIL™ 93-500 Thixotropic Encapsulant
 - 6 DOWSIL™ CN-8760 G Thermally Conductive Encapsulant
 - 7 DOWSIL™ CN-8760 Thermally Conductive Encapsulant
 - 8 DOWSIL™ EE-1010 Low Viscosity Encapsulant
 - 9 DOWSIL™ EE-1840 Encapsulant
 - 10 DOWSIL™ EE-3200 Low Stress Silicone Encapsulant
 - 11 DOWSIL™ EI-1184 Optical Encapsulant
 - 12 DOWSIL™ SE 1816 CV Encapsulant
 - 13 SYLGARD™ 160 Silicone Elastomer
 - 14 SYLGARD™ 164 Silicone Elastomer
 - 15 SYLGARD™ 170 Fast Cure Silicone Elastomer
 - 16 SYLGARD™ 170 Silicone Elastomer
 - 17 SYLGARD™ 182 Silicone Elastomer
 - 18 SYLGARD™ 184 Silicone Elastomer
 - 19 SYLGARD™ 186 Silicone Elastomer
 - 20 SYLGARD™ 567 Primerless Silicone Encapsulant
- Standard Encapsulants
 ● Primerless Encapsulants
 ● Specialty Encapsulants
 ☆ Shore 00

Standard Encapsulants

| | Product Name | Features & Benefits | Color | Viscosity (mPa·sec) | Cure System (Mixing Ratio) | Working Time (Pot Life) | Room-Temperature Cure | Heat Cure | Specific Gravity | Durometer (Shore A) | Tensile Strength (MPa) | Elongation (%) | Dielectric Strength (kV/mm) | Agency Listing* |
|---------------------------------|---|--|--------------------|--------------------------------|--------------------------------|-------------------------|----------------------------------|---|------------------|---------------------|------------------------|----------------|-----------------------------|---|
| Standard Encapsulants | DOWSIL™ 3-6121 Low Temperature Elastomer | Remains a soft elastomer down to -65°C, with a higher refractive index compared to standard silicones | Translucent | 19,000 | Addition cure; Two-part (10:1) | >2 hrs | 48 hrs | 20 min @ 100°C 10 min @ 150°C | 1.12 | 35 | 4.3 | 275 | 18 | — |
| | DOWSIL™ CN-8760 G Thermally Conductive Encapsulant | Designed for fast fill rates and reworkability, with moderate thermal conductivity | Gray | 3,200 | Addition cure; Two-part (1:1) | 1 hr 40 | 24 hrs | 30 min @ 60°C | 1.58 | 45 | 1.8 | 85 | 24 | UL 94 V-0 |
| | DOWSIL™ CN-8760 Thermally Conductive Encapsulant | Even higher flow version of DOWSIL™ CN-8760 G Encapsulant | Dark gray | 2,700 | Addition cure; Two-part (1:1) | 1 hr 30 | — | 40 min @ 50°C | 1.6 | 55 | 2.7 | 80 | 33 | UL 94 V-0 |
| | DOWSIL™ EE-1010 Low Viscosity Encapsulant | Capable of improved throughput speeds with one of our highest flow rates to rapidly fill around complex board architectures and a fast heat cure | Gray | 850 | Addition cure; Two-part (1:1) | 50 min | 24 hrs | 3 min @ 100°C 2 min @ 150°C | 1.26 | 65 | 3.1 | 40 | 18 | — |
| | SYLGARD™ 160 Silicone Elastomer | Proven reliability with a higher thermal conductivity and heat stability | Dark gray to black | 4,500 | Addition cure; Two-part (1:1) | 20 min | 24 hrs | 4 min @ 100°C | 1.61 | 55 | 4.2 | 100 | 19 | UL 94 V-0 |
| | SYLGARD™ 164 Silicone Elastomer | Fast, room-temperature cure version of SYLGARD™ 160 Elastomer | Gray | 9,100 | Addition cure; Two-part (1:1) | — | 35 min | Heat accelerable | 1.57 | 60 | — | — | 19 | UL 94 V-0 |
| | SYLGARD™ 170 Silicone Elastomer | An industry standard, with moderate thermal conductivity | Dark gray to black | 2,100 | Addition cure; Two-part (1:1) | 15 min | 24 hrs | 45 min @ 50°C 25 min @ 70°C 15 min @ 85°C 10 min @ 100°C | 1.37 | 50 | 2.8 | 150 | 19 | UL 94 V-0 Mil Spec: MIL-PRF-23586F EN 45545-2 HL3 |
| | SYLGARD™ 170 Fast Cure Silicone Elastomer | Much faster curing version of SYLGARD™ 170 Elastomer | Black | 2,300 | Addition cure; Two-part (1:1) | <5 min | 10 min | Heat accelerable | 1.38 | 45 | 3.7 | 125 | 14 | UL 94 V-0 |
| | SYLGARD™ 182 Silicone Elastomer | Well established industry standard that is transparent with a long working time | Clear | 5,700 | Addition cure; Two-part (10:1) | 8 hrs | 14 days | 75 min @ 100°C 30 min @ 125°C 20 min @ 150°C | 1.04 | 50 | 7.6 | 100 | 18 | UL 94 V-1 Mil Spec |
| | SYLGARD™ 184 Silicone Elastomer | Faster curing version of SYLGARD™ 182 Elastomer | Clear | 3,500 | Addition cure; Two-part (10:1) | 1 hr 30 | 48 hrs | 35 min @ 100°C 20 min @ 125°C 10 min @ 150°C | 1.03 | 45 | 6.8 | 125 | 19 | UL 94 V-1 @ 6 mm UL 746C f2 SAE AS81550 |
| SYLGARD™ 186 Silicone Elastomer | One of our toughest encapsulants with proven performance and controlled flowability | Translucent | 65,000 | Addition cure; Two-part (10:1) | 1 hr 40 | 48 hrs | 25 min @ 100°C 15 min @ 150°C | 1.12 | 25 | 5 | 425 | 14 | UL 94 V-1 | |

*Visit UL.com for specific details



Primerless and Specialty Encapsulants

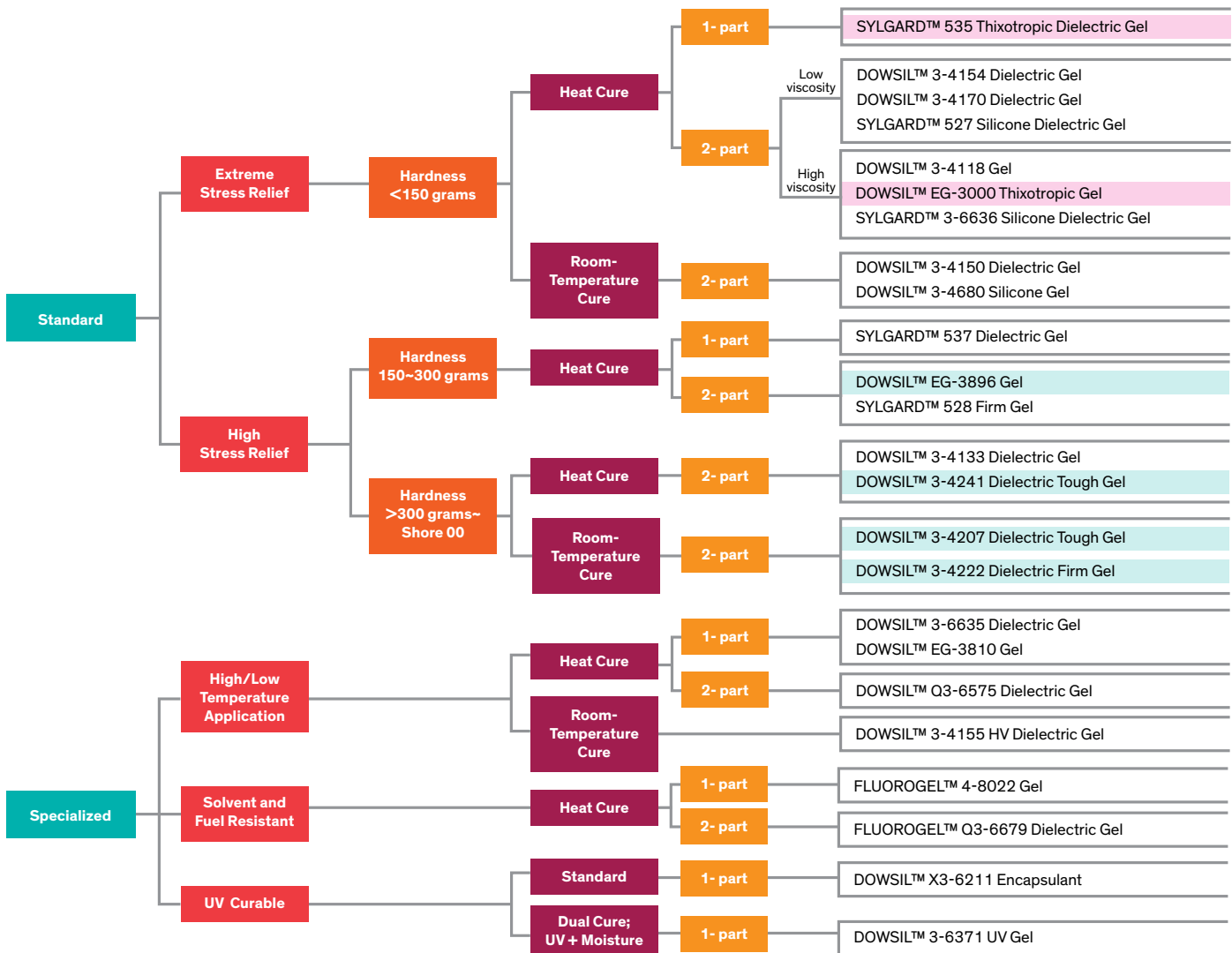
| | Product Name | Features & Benefits | Color | Viscosity (mPa·sec) | Cure System (Mixing Ratio) | Working Time (Pot Life) | Room-Temperature Cure | Heat Cure | Specific Gravity | Durometer (Shore A) | Tensile Strength (MPa) | Elongation (%) | Dielectric Strength (kV/mm) | Agency Listing* | |
|-------------------------|---|--|-------------------|--------------------------------|--------------------------------|-------------------------|-----------------------|---|------------------|---------------------|------------------------|----------------|-----------------------------|---------------------------------------|-----------------------------|
| Primerless Encapsulants | DOWSIL™ 3-8264 Encapsulant | Self-priming version of SYLGARD™ 170 Elastomer | Black | Part A: 2,700 Part B: 2,600 | Addition cure; Two-part (1:1) | 5 hrs | NA | 2.5 hrs @ 70°C 30 min @ 100°C | 1.33 | 45 | 3.6 | 125 | 17 | — | |
| | DOWSIL™ EE-1840 Encapsulant | Fast fill rates and repairable with enhanced stress relief | Black | 1,300 | Addition cure; Two-part (1:1) | 12 min | 7 days | Yes | 1.01 | 20 | 0.55 | 175 | 17 | UL 94 V-1 | |
| | DOWSIL™ SE 1816 CV Encapsulant | Long working time for production flexibility with UL recognition | Black | 2,600 | Heat cure; Two-part (1:1) | >24 hrs | NA | 1 hr @ 100°C | 1.35 | 35 | 2.9 | 225 | 26 | UL 94 V-0 | |
| | SYLGARD™ 567 Primerless Silicone Encapsulant | One of our fastest fill rates with enhanced high-temperature stability | Black | Part A: 2,100 Part B: 550 | Addition cure; Two-part (1:1) | >3 days | NA | 3 hrs @ 70°C 2 hrs @ 100°C 85 min @ 115°C 15 min @ 150°C | 1.24 | 40 | — | — | 21 | UL 94 V-0 Mil Spec: MIL-PRF-23586F | |
| Specialty Encapsulants | DOWSIL™ 3-6512 Elastomer | Highly flowable to fill in narrow spaces with enhanced stress relief | Transparent red | 900 | Addition cure; Two-part (1:1) | 24 hrs | — | 2 hrs @ 70°C | — | 40 Shore 00 | — | — | 21 | — | |
| | DOWSIL™ 93-500 Space Grade Encapsulant | Highly transparent with very low levels of volatile condensable materials – proven for space-grade applications | Clear | 8,100 | Addition cure; Two-part (10:1) | 2 hrs 45 | 24 hrs | 10 min @ 100°C 4 min @ 150°C | 1.03 | 45 | 6.7 | 125 | 19 | — | |
| | DOWSIL™ 93-500 Thixotropic Encapsulant | Non-flow version of DOWSIL™ 93-500 Space Grade Encapsulant | Translucent white | Non-flow/thixotropic | Addition cure; Two-part (10:1) | 50 min | 24 hrs | 15 min @ 100°C 10 min @ 125°C 5 min @ 150°C | 1.08 | 60 | 8.5 | 125 | 18 | — | |
| | DOWSIL™ EE-3200 Low Stress Silicone Encapsulant | One of our most stress relieving encapsulants with fast processing, moderate thermal conductivity and proven reliability in outdoor applications | Dark gray | 1,700 | Addition cure; Two-part (1:1) | 30 min | 2 hrs 45 | 20 min @ 50°C | 1.48 | Shore 00 | 20 | 0.2 | 350 | 14 | UL 94 V-0 EN 45545-2 HL3 |
| | DOWSIL™ EI-1184 Optical Encapsulant | Highly transparent with reduced yellowing for optical application reliability – in a convenient 1:1 mix ratio | Clear | 4,600 | Addition cure; Two-part (1:1) | 10 min | 4 hrs | 15 min @ 100°C | 1.04 | 65 | 8.3 | 75 | 18 | UL 94 V-1 UL 746C f1 | |

*Visit UL.com for specific details

Choosing a Gel

Offering the ultimate in stress relief, most gels also exhibit a tacky surface that adheres naturally to common surfaces, without the need for primers. Dow Performance Silicones' broad selection of gels are organized into four families: standard, low-temperature, toughened, and specialty. Product specification is typically determined by the application's need for stress relief, viscosity, or cure time versus working time.

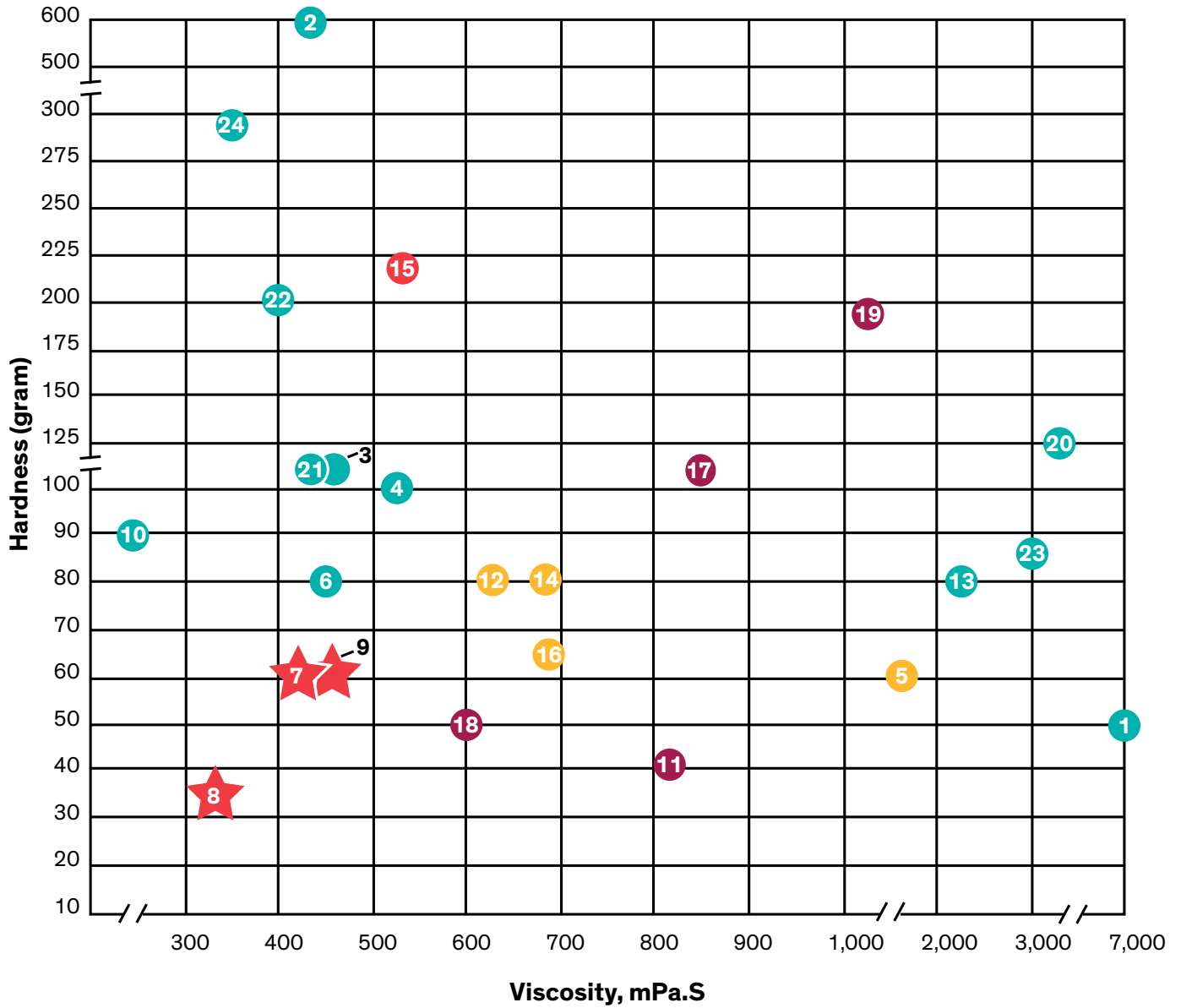
This product selection tree will help you quickly narrow your search for an optimal gel for your application. Further details and properties of each product can be found in the product table starting on **page 10**.



THIXOTROPIC PRIMERLESS



Gels Viscosity/Hardness



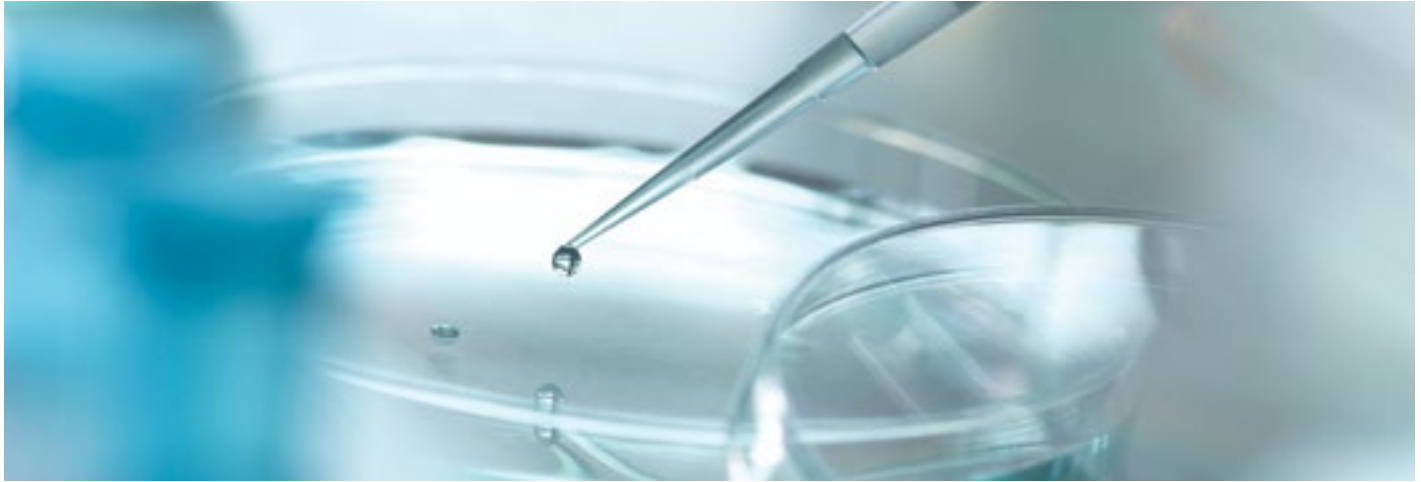
- 1 DOWSIL™ 3-4118 Gel
- 2 DOWSIL™ 3-4133 Dielectric Gel
- 3 DOWSIL™ 3-4150 Dielectric Gel
- 4 DOWSIL™ 3-4154 Dielectric Gel
- 5 DOWSIL™ 3-4155 HV Dielectric Gel
- 6 DOWSIL™ 3-4170 Dielectric Gel
- 7 DOWSIL™ 3-4207 Dielectric Tough Gel
- 8 DOWSIL™ 3-4222 Dielectric Firm Gel
- 9 DOWSIL™ 3-4241 Dielectric Tough Gel
- 10 DOWSIL™ 3-4680 Silicone Gel
- 11 DOWSIL™ 3-6371 UV Gel
- 12 DOWSIL™ 3-6635 Dielectric Gel
- 13 DOWSIL™ EG-3000 Thixotropic Gel
- 14 DOWSIL™ EG-3810 Gel
- 15 DOWSIL™ EG-3896 Gel
- 16 DOWSIL™ Q3-6575 Dielectric Gel
- 17 DOWSIL™ X3-6211 Encapsulant
- 18 FLUOROGEL™ 4-8022 Gel
- 19 FLUOROGEL™ Q3-6679 Dielectric Gel
- 20 SYLGARD™ 3-6636 Silicone Dielectric Gel
- 21 SYLGARD™ 527 Silicone Dielectric Gel
- 22 SYLGARD™ 528 Firm Gel
- 23 SYLGARD™ 535 Thixotropic Dielectric Gel
- 24 SYLGARD™ 537 Silicone Gel

● Standard gels
 ● High/Low temperature gels
 ● Tough gels
 ● Specialty gels
 ☆ Shore 00

Standard and High/Low Temperature Gels

| | Product Name | Features & Benefits | Color | Viscosity (mPa·sec) | Cure System (Mixing Ratio) | Working Time | | Room-Temperature Cure | Heat Cure | Specific Gravity | Hardness | | | Agency Listing * |
|----------------------------------|--|---|---|-------------------------------|-------------------------------|-------------------------|----------------|---------------------------------|---|------------------|------------------|-----------------------|-----------------------------|------------------|
| | | | | | | Pot Life | Gel Time (min) | | | | Gel Hardness (g) | Penetration (1/10 mm) | Dielectric Strength (kV/mm) | |
| Standard Gels | DOWSIL™ 3-4118 Gel | Controlled flowability | Clear | 7,000 | Addition cure; Two-part (1:1) | 30 min | — | Possible | 1 hr @ 125°C | 0.97 | 50 | 110 | 18 | — |
| | DOWSIL™ 3-4133 Dielectric Gel | Long working time with fast heat cure | Clear | 450 | Addition cure; Two-part (1:1) | 6 hrs | — | Possible | 4 min @ 100°C 2.2 min @ 125°C 1.6 min @ 150°C | 0.97 | 600 | 10 | 19 | — |
| | DOWSIL™ 3-4150 Dielectric Gel | Blue + yellow that turns to green when mixed, fast cure version of SYLGARD™ 527 Dielectric Gel | Transparent green | 470 | Addition cure; Two-part (1:1) | 6 min | 30 | 90 min | — | 0.97 | 110 | 50 | 15 | — |
| | DOWSIL™ 3-4154 Dielectric Gel | Longer processing time version of DOWSIL™ 3-4150 Dielectric Gel | Clear | 550 | Addition cure; Two-part (1:1) | 30 min | — | NA | 3 hrs @ 80°C 1.75 hrs @ 100°C | 0.97 | 100 | 50 | 18 | — |
| | DOWSIL™ 3-4170 Dielectric Gel | Fast heat cure with UL recognition | Clear | 460 | Addition cure; Two-part (1:1) | >24 hrs | — | NA | 9 min @ 100°C 5 min @ 125°C 3 min @ 150°C | 0.97 | 80 | 65 | 20 | UL 94 HB |
| | DOWSIL™ 3-4680 Silicone Gel | One of our highest flow rates for fast filling and processing | Transparent blue | 260 | Addition cure; Two-part (1:1) | — | 10 | 30 min | 1 min @ 125°C | 0.97 | 90 | 60 | 16 | — |
| | DOWSIL™ EG-3000 Thixotropic Gel | Thixotropic to allow selective and cost-effective protection | Slightly hazy/clear | 2,300 | Addition cure; Two-part (1:1) | 6 hrs | 8 | NA | 1 hr @ 150°C | 0.99 | 80 | 60 | 22 | — |
| | SYLGARD™ 3-6636 Silicone Dielectric Gel | Tougher with a controlled flow | Clear | 3,300 | Addition cure; Two-part (1:1) | <10 min | 6 | 24 hrs | 3 hrs @ 70°C 45 min @ 100°C | 0.99 | 125 | 55 | 16 | — |
| | SYLGARD™ 527 Silicone Dielectric Gel | Proven industry standard with a long working time for greater processing flexibility | Clear | 460 | Addition cure; Two-part (1:1) | 2 hrs | — | >1 wk | 3.5 hrs @ 100°C 1.25 hrs @ 125°C 35 min @ 150°C | 0.95 | 115 | — | 17 | UL 94 HB |
| | SYLGARD™ 528 Firm Gel | Intermediate modulus with a long working time | Clear | 400 | Addition cure; Two-part (1:1) | 6 hrs | — | Possible | Possible | 0.97 | 200 | — | — | — |
| | High/Low Temperature Gels | SYLGARD™ 535 Thixotropic Dielectric Gel | One-part version of DOWSIL™ EG-3000 Thixotropic Gel | Translucent | 3,000 | Addition cure; One-part | — | — | — | 1 hr @ 150°C | 0.97 | 85 | 60 | 11 |
| SYLGARD™ 537 Dielectric Gel | | One-part, harder version of SYLGARD™ 528 Firm Gel | Clear | 360 | Addition cure; One-part | — | — | — | 1 hr @ 120°C | 0.98 | 290 | 20 | 22 | — |
| DOWSIL™ 3-4155 HV Dielectric Gel | | Proven automotive grade with blue + yellow that turns to green when mixed, and designed for use down to -80°C | Transparent green | 1,850 | Addition cure; Two-part (1:1) | — | 8 | 60 min | — | 1 | 60 | 90 | 16 | — |
| DOWSIL™ 3-6635 Dielectric Gel | | Fast filling automotive grade, designed for use down to -80°C | Clear | 650 | Addition cure; One-part | — | 11 | NA | 2 hrs @ 100°C | 1 | 80 | 85 | 20 | UL 94 HB |
| DOWSIL™ EG-3810 Gel | | Enhanced use temperature range from -60 to +200°C | Clear | 690 | Addition cure; One-part | — | — | NA | 15 min @ 125°C 10 min @ 150°C | 0.97 Uncured | 80 | 80 | 21 | — |
| DOWSIL™ Q3-6575 Dielectric Gel | Extended shelf life, two-part version of DOWSIL™ 3-6635 Dielectric Gel | Clear | 670 | Addition cure; Two-part (1:1) | 20 min | 6 | 24 hrs | 40 min @ 70°C 20 min @ 100°C | 1.02 | 65 | 80 | 10 | — | |

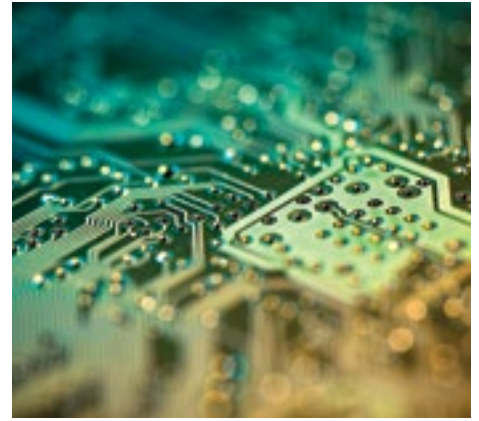
*Visit UL.com for specific details



Tough and Specialty Gels

| | Product Name | Features & Benefits | Color | Viscosity (mPa·sec) | Cure System (Mixing Ratio) | Working Time | | Room-Temperature Cure | Heat Cure | Specific Gravity | Hardness | | | Agency Listing * |
|----------------|-------------------------------------|---|---------------------|---------------------|--|--------------|----------------|--|--|------------------|------------------|-----------------------|-----------------------------|------------------|
| | | | | | | Pot Life | Gel Time (min) | | | | Gel Hardness (g) | Penetration (1/10 mm) | Dielectric Strength (kV/mm) | |
| Tough Gels | DOWSIL™ 3-4207 Dielectric Tough Gel | Designed as a toughened gel for additional strength, with blue + yellow that turns to green when mixed, conditional primerless adhesion at room temperature, and a UV indicator | Translucent green | 410 | Addition cure; Two-part (1:1) | — | 7 | 90 min | 10 min @ 50°C 3 min @ 100°C 3 min @ 150°C | 0.98 | 60 Shore 00 | NA | 17 | UL 94 V-1 f2 |
| | DOWSIL™ 3-4222 Dielectric Firm Gel | Enhanced stress relief version of DOWSIL™ 3-4207 Dielectric Tough Gel | Translucent green | 340 | Addition cure; Two-part (1:1) | 3 min | 13 | 30 min | 2 min @ 100°C 1 min @ 125°C | 0.97 | 35 Shore 00 | NA | 14 | — |
| | DOWSIL™ 3-4241 Dielectric Tough Gel | Enhanced working life version of DOWSIL™ 3-4207 Dielectric Tough Gel | Translucent green | 410 | Addition cure; Two-part (1:1) | >1h | — | 11 hrs | 2 min @ 125°C | 0.98 | 60 Shore 00 | NA | 17 | UL 94 V-1 |
| | DOWSIL™ EG-3896 Gel | Designed as a toughened gel for improved crack resistance at operating temperatures as high as 185°C | Slightly hazy/clear | 520 | Addition cure; Two-part (1:1) | >4 hrs | — | — | 30 min @ 70°C 10 min @ 100°C 5 min @ 150°C | 0.98 | 220 | 30 | 22 | UL 94 V-1 |
| Specialty Gels | DOWSIL™ 3-6371 UV Gel | UV cure with a secondary moisture cure for shadowed areas | Translucent amber | 820 | UV + Moisture secondary cure; One-part | 7 days | — | 25 sec @ 4000 mJ/cm ² (15 mm thick) | NA | 0.98 | 40 | 140 | 12 | — |
| | DOWSIL™ X3-6211 Encapsulant | Extremely fast line-of-sight UV cure | Clear | 850 | UV cure; One-part | — | — | 5 sec @ >3000 mJ/cm ² (12 mm thick) | NA | 0.99 | 105 | 50 | 17 | — |
| | FLUOROGEL™ 4-8022 Gel | Automotive grade with solvent and fuels resistance, in a one-part formulation | Translucent | 600 | Addition cure; One-part | 30 days | — | NA | 1 hr @ 125°C 30 min @ 150°C | 1.23 | 50 | 105 | — | — |
| | FLUOROGEL™ Q3-6679 Dielectric Gel | Two-part, enhanced processing, flexibility version of FLUOROGEL™ 4-8022 Gel | Clear | 1,100 | Addition cure; Two-part (1:1) | >4 hrs | 7 | >1 week | 2 hrs @ 100°C | 1.26 | 180 | 30 | — | — |

*Visit UL.com for specific details



Learn More

We bring more than just an industry-leading portfolio of advanced silicone-based materials. As your dedicated innovation leader, we bring proven process and application expertise, a network of technical experts, a reliable global supply base, and world-class customer service.

To find out how we can support your applications, visit consumer.dow.com/pcb.

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Dow'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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