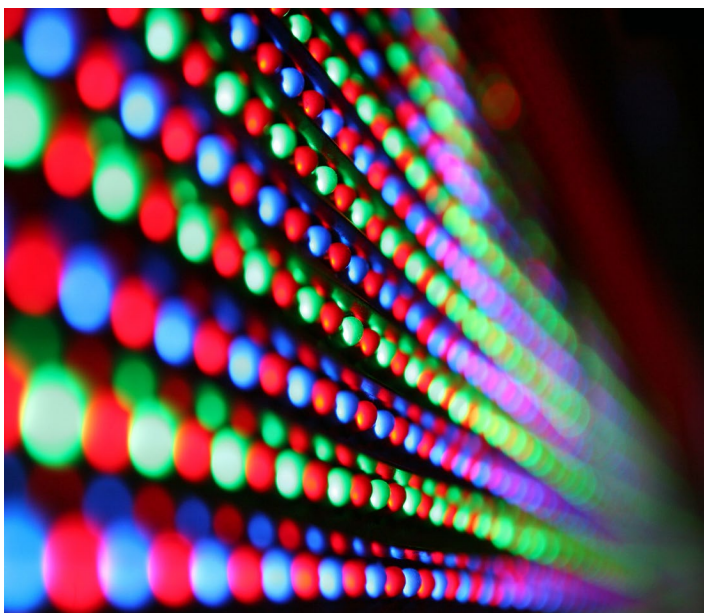


DOWSIL™ OR-2000 Standard Hard Gel - Material Solutions for Multiple Applications



DOWSIL™ OR-2000 Standard Hard Gel Advantages

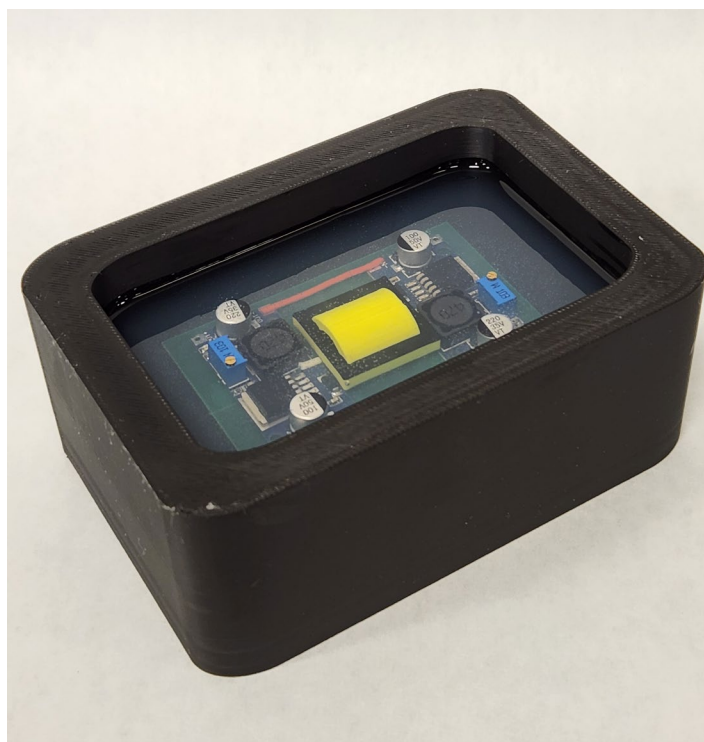
- Longevity and performance in outdoor environments
- Excellent electronics protection
- Cost effective silicone solution
- Offers transparent encapsulation solution
- No dyes or pigments
- Resistant to UV, moisture intrusion, & debris
- Offers manufacturing flexibility (not moisture sensitive)



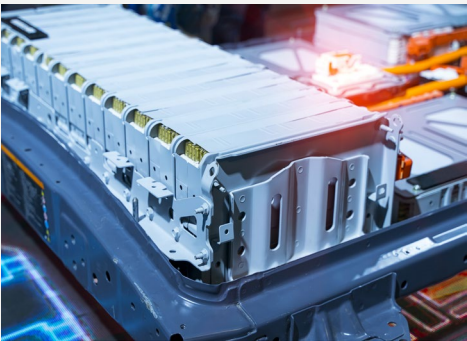
Key Material Properties

Two-part, 1:1 mix ratio, translucent, fast room temperature or optional heat accelerated cure, silicone hard gel.

- Durometer: 62 Shore 00
- Cure Profile: Room temperature or heat accelerated, 90 min @ 25°C, 10 min @ 50°C, 5 min @ 75°C, 3 min @ 100°C
- UL: HB
- Dielectric Strength: 420 volts/mil OR 16.5 kV/mm
- Viscosity: 425 Cp
- CTE: 324 ppm/C

DOWSIL™ OR-2000 Standard Hard Gel Parts A&B



Application	Application Description	
Digital Sign	Digital signs are sophisticated software platforms designed to manage, schedule, and deliver multimedia content across a network of digital displays. These displays can be strategically located in various environments such as retail stores, corporate offices, educational institutions, public spaces, and transportation hubs. The application allows users to create and deploy dynamic content, including images, videos, text, and interactive elements, tailored to specific audiences.	
Solar Panels	Solar panels are advanced energy devices designed to convert sunlight into electricity through the photovoltaic (PV) effect. These PV cells are made primarily from semiconductor materials like silicon. They are widely used in residential, commercial, and utility-scale applications to harness renewable energy from the sun, contributing to the reduction of greenhouse gas emissions and the transition to sustainable energy sources.	
Other Applications to Explore	<p>Pillows & Cushions: Products designed to provide comfort and ergonomic support for seating and lounging. Some styles of pillows and cushions use silicone filler due to its durable and flexible properties.</p> <p>Automotive Electronics: Many electronic applications require electrical insulation, resist mechanical stress, protection from moisture and other environmental factors, and more. For example, potting is used in lithium battery pack applications by enveloping the electronics components.</p>	

Images: dow_58770323307, dow_69069889765, dow_70290905810, dow_77464678102, dow_81700921553, dow_91079623489

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Form No. 80-8675-01-1025 S2D