

Resin Designs' GelTEK Sealing Materials

GelTEK sealing materials provide high performance sealing and corrosion protection in demanding applications with low compressive forces.

SEAL AGAINST MOISTURE AND CREATE CORROSION RESISTANCE

GelTEK Sealing Materials are a unique pre-cured gel sealing material offering liquid like flexibility and conformability in a handleable, die-cuttable format.

SEAL WITH MINIMAL COMPRESSION

With sealing capabilities similar to high performance potting compounds, Geltek

- Is soft and highly conformable
- Has high surface tack – “seals” on contact
- Conforms to complex shapes
- Seals a wide range of gaps
- Self-heals and is re-enterable
- Can be applied without tools, heat or dispensing equipment

PROVEN CORROSION PROTECTION

Even in damp environments, GelTEK's ability to coat mating surfaces displaces moisture and electrolytes, forming a tight environmental seal that prevents galvanic corrosion from occurring.



GELTEK VERSATILE OFFERING

Sealing Strip Material options include:

- Extensible and non-extensible (tacky 2 sides or tacky 1 side).
- Backers of rubber or open cell foam.
- Greater UV stability and UL94 HB flammability performance.
- Useful Temperature performance from -40 to 125 deg C



GelTEK

Resin Designs™

**IS IDEAL FOR PROVIDING SEALING AND PROTECTION OF
INDOOR AND OUTDOOR EQUIPMENT INCLUDING:**

- Outdoor Telecommunications Enclosures
- Vehicle Under Hood Connectors & Lighting
- Personal Watercraft Gauge Displays
- Spa, Pool, Sprinkler System Control Modules
- Marine Antennas and Topside Apps
- Flex Circuit/Terminal Protection
- Aircraft Structure and Floor Panel sealing

GelTEK is available in rolls, sheets or as custom die-cut parts and shapes for indoor and outdoor sealing.

Electrically Conductive Composite

Electrically Conductive Sealing & Shielding materials combining mesh with sealing gels provide high-performance EMI shielding and corrosion protection in demanding applications including salt fog.

VERSATILE OFFERING

- Available as Rope EMI Gaskets, Shielding Sheet Gaskets, or Grounding and not Conductive Sheet Gaskets
- Offering woven mesh core options and gel options
- -40 to 125 or 150 C operating temperatures
- Pressure sealing as well as Environmental

IDEAL FOR USE IN

- Portable Military Command, Control & Communications Equipment
- Radar and Sensor Enclosures
- Outdoor Telecommunications Enclosures
- Aircraft Exterior Antenna, Sensor and Beacon Interfaces

Highly Conformable, Easily Handable Thermal Interface Pads

Reduce mechanical stresses on mating components and circuit boards. These cost-competitive, soft, thermally conductive silicone pads not only deliver thermal performance but also provide for Noise/Vibration dampening and Shock Absorption in thicker options.

VERSATILE OFFERING

- Thermal Performance from 0.75 – 3.5 W/m-K
- Durometers from 30 -62 Shore 00
- UL 94 HB, V-1 & V-0 Flammability Ratings
- Electrically Insulating Versions

TYPICAL APPLICATIONS

- LCD Displays
- Power Supplies
- ECU's
- Telecom Equipment



ThermoSink Thermally Conductive Potting Silicone

ResinDesigns

THERMOSINK 35-3 is a two-component, low viscosity, thermally conductive silicone elastomer that cures rapidly at room temperature. Designed for electrical potting and/or thermal interfacial applications where high-performance thermal management is required.

FEATURES

- Thermally Conductive
- Fast Set, Room Temp. Cure
- RoHS Compliant

APPLICATIONS

- Electronic Assembly
- Power Supplies
- Vehicle ECU's, EV Batteries



Superior Seats,
Exceptional Service



Sealing Devices Inc.