

SR 541

Electrical, electronic silicone sealant

**DAEHEUNG CHEMICAL**

SR 541 is a flowable RTV silicone sealant for electrical and electronic applications. It is designed for protective coating on electrical and electronic components. It has excellent heat resistance, cold resistance, water resistance and electrical insulation. It can be used without primer on most materials.

1. Uses

- Electrical and electronic equipment adhesive / potting / protective coatings
- PTC hot fan & components.
- Power supply.
- Mix microcircuit PCB

2. Characteristics

- Solvent free and flowable RTV
- Excellent resistance weathering and heat.
- Rapid cure.
- Good self-leveling.
- Excellent adhesion to most substrates.

3. Physical properties

| Properties | Value |
|------------------------|---|
| Main component | Silicone polymer |
| Curing system | Moisture curing |
| Curing type | Oxime curing |
| Appearance | Flowable (10,000 ~ 20,000 CPS) |
| Color | White, Clear, Grey, Black |
| Specific gravity | 1.00~1.05 |
| Skin over time | Max.10 min(23°C,50% RH) |
| Full cure time | 72hrs(3mm/ 23°C,50% RH) |
| Hardness | 15~25(shore A) |
| Tensile strength | Min. 1.0N/mm ² (ASTM D412) |
| Elongation | Min. 200%(ASTM D412) |
| Dielectric strength | 20 KV/mm (ASTM D149) |
| Temperature resistance | -48°C~120°C |
| Shelf life | 1 year in unbroken package under dry and cool condition(5~25°C) |

4. Caution on use

- **Clean and dry**

Remove oil, dust, impurities that is obstructed the sealant adhesion.

- **Primer**

Primer can be used only when it is necessary. It can also be used to increase, its supplementary of adhesive strength if a sealant can't get an adhesive strength.

- **Sealing**

After cutting the nozzle of instrument properly in joint width, insert the nozzle in the top of cartridge deeply and then insert the sealant in the joint part slowly.

- **Curing**

After application, please cure it fully not to be shocked a lot.

5. Caution

- The cartridge should not be exposed to direct sunlight & shall be kept in a cool and dry place.
- Use with adequate ventilation and avoid prolonged breathing of vapors.
- Prolonged or repeated skin contact might cause irritation.
- In the event of eye contact wash thoroughly with water and consult a physician immediately.
- Don't use except for the original purpose.
- Don't use to mix with hot-melt.

6. Packaging

- 300ml cartridge

Please contact us for further information or see Material Safety Data Sheet (MSDS) for this product.

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