

Silicone Rubber Adhesive (platinum catalyst)

Product Explanation

- VULCAN 59M is an adhesive component that glues additional hardening silicon rubber (platinum catalyst) and various types of PC, nylon or fabric.
- It has not only outstanding adhesion but excellent corrosion resistance, oil resistance and chemical resistance.
- **Usability**
 - Easily applied in spray and brush work
 - More time provided to product formation through outstanding prebake resistibility
- **Environment-friendliness**
 - Non-detection of 6 hazardous substances (Pb, Cd, Hg, Cr(VI) PBB, PBDE)

Properties Information

Appearance	Light yellow liquid
Structure	Silane dispersion in IPA
Viscosity	11-17s (Zahn Cup No. 2 @25°C)
Specific gravity	0.82 g/cm ³
Flashing point	17°C
Solid content	7 - 8% of the weight
Dilution solvent	IPA
Storage period	6 months from the production date (10~28°C dry condition)

Application, Dissolution and Drying

- VULCAN 59M can be applied by spraying and brushing.
- It is recommended to use the undiluted solution, but if dilution is required, dilute only up to 15% of the undiluted solution in IPA.
- Generally, the vulcanization conditions such as temperature, pressure, pressing time, etc., are recommended from the silicon rubber manufacturer.
- Vulcanization happens gradually between 100°C and 180°C.
- It must be applied by wetting the surface of metals or plastic completely.
- It dries completely in 30 minutes at room temperature, and within 10 minutes when drying with hot air at more than 80°C.
- * Suitable dilution proportion for each type of application can be obtained through experience.
- * Adhesive must be kept in dry condition

VULCAN® 59M

TECHNICAL DATA SHEET

Important Details

- ① Do not mix remains from used products with new products.
- ② Please apply after removing completely oil, humidity, dust, etc. from the metal to be applied.,
- ③ The recommended molding temperature is of 110°C~200°C.
- ④ Please dry at room temperature until the solvent has completely evaporated from the insert surface. When fast hardening is required, dry for 10 minutes at a temperature above 80°C without overlapping the plastic(Keep in dry after dry)
- 5. Do not dip plastics into the adhesive(to avoid gelation).
Once it starts gelation, adhesive can't be used anymore.

Precautions

- ① Please be careful with inflammables or ignition as it contains flammable agents, and avoid work in confined spaces.
- ② Wear suitable protection gear when handling the product as it contains organic solvents. Do not inhale mist, etc. dispersed in the air.
- ③ Be careful to do not throw or cause strong impact on the product during transportation and storage.
- ④ Please refer to the MSDS data for more detailed information.

All the property information was recorded by production lot, and the value specified on the TDS indicates the general average property values. Additionally, each proposal was based from experiments and does not guarantee results on the real site. Please utilize after testing in advance.

U-ONE R2M Co., Ltd. is not only working hard in adhesives for rubber and metals but it is also conducting researches for the development of all types of adhesives for different materials. Please contact us by telephone or e-mail for further inquiries and suggestions about the product.

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