



TECHNICAL INFORMATION

技 術 資 料

SFR-8200

Flame resistant silicone sealant.

Features:

1. No corrosive.
2. Easy to operate; pre-mixing or heating is not required.
3. Short skin over time (15~20 minutes).
4. Excellent adhesion properties to most materials.
5. Wide service temperature range (-50 ~ +200°C).
6. Good weather resistance.
7. UL94V0 approval (file: E120665).

SFR-8200 is a high viscous flame resistant one-part RTV silicone sealant. It exhibits good adhesion properties to most materials, such as transportation tools, boat, airplane, metals, glass, ceramics and electronic devices. It cures at room temperature on exposure to moisture in the air to form elastomer. It has wide service temperature range, and exhibits excellent weather resistance and dielectric properties, suitable for electric and electronic devices as waterproof sealant. Base material of polycarbonate (PC) which is closed type is not recommended for use.

Typical Properties :

Appearance	High Viscous Liquid
Color	White or black
Viscosity (25°C, cps)	120,000 ~380,000
Specific Gravity (25°C)	1.48
Skin-Over Time (25°C)*	15 - 20 mins
Cure Time (25°C, 3mm)*	24 hrs
Hardness (Shore A)	65
Tensile Strength (psi)	150
Elongation (%)	100
Dielectric Strength (Kv/mm)	20
Volume Resistivity ($\Omega \cdot \text{cm}$)	2×10^{14}
Thermal Conductivity (W/m·K)	0.5
Coefficient of Linear Thermal Expansion (ppm/°C) (5~150 °C)	200
Flame Resistance Level	UL 94V0

* Skin-over time and cure time depend on the temperature and relative humidity of environment, and thickness of use.

How to use:

1. Target surface must be cleaned and dried, and free of dust and oil. Using solvent for clean, do not use soap or detergent.



TECHNICAL INFORMATION

技 術 資 料

2. Cut the tip according to the need of extrusion diameter.
3. Apply this product onto target. Do not stir to avoid trapping air. Curing will take place when this product contacts moisture of air. Curing time depends on the temperature, thickness of uses, and relative humidity of environment. Allow longer cure time for thicker coating, lower temperature, or lower humidity.

Storage and Shelf Life:

1. Store at 25°C or lower and dry place. In unopened original containers with appropriate care, shelf life is 9 months.
2. Avoid from sunlight, high temperature and high humidity environment.
3. Use up as soon as possible when opened. If user does not use all up in once, please seal tightly to preserve left over.

Caution:

1. Adequate ventilation is recommended during application and curing.
2. Avoid contacting eyes. In case of direct with eyes, immediately flush eyes with large quantity of water for least 15 minutes, and consult with a physician soon.
3. In case of skin contact, wipe off with clean and dry cloth or paper, and wash with soap and water.
4. Do not swallow nor contact foods.
5. Keep away from children.
6. This product is for industrial use only.

Packaging : 300ml per cartridge

The above data offered are based on our laboratory works for customers' references only. The conditions of use, such as mix ratio, well mixed, cure condition (i.e., environment, temperature, humidity, and size), and treatment of target surface, can affect the final results. Therefore, it is imperative to test this product to determine the suitability of the product for its intended uses and applications. Fong Yong Chemical Co., Ltd. assumes no obligation or liability for use and makes no warranty, expressed or implied. Customers are solely responsible for their uses and applications. Welcome to consult our sales representatives for further technical assistance.

寰亞化工有限公司

23867 新北市樹林區中正路 216 之 2 號 2 樓

FONG YONG CHEM. CO., LTD.

2F., No.216-2, Zhongzheng Rd., Shulin Dist.,

New Taipei City 23867, Taiwan (R.O.C.)

TEL:+886-2-2682-4939 (Rep.)

FAX:+886-2-2683-4333