



TECHNICAL INFORMATION

技 術 資 料

Tech. No. SFR-3101BK

寰亞化工有限公司

SFR – 3101

Flame Retardant Silicone Adhesive Sealant

Features:

1. Easy operation.
2. Short skin time.
3. No corrosive.
4. Excellent adhesion properties for a variety of materials.
5. Wide range of use temperature (-50°C ~ +200°C).
6. Good waterproof and chemical resistance.
7. Excellent dielectric properties and weather resistance.
8. Good flame resistance UL 94V0 approval (E120665).

SFR-3101 is a one-component neutral RTV flame retardant silicone sealant. At room temperature, curing process is fast and does not generate heat neither corrosive by-product. It contains low volatile content and exhibits good adhesion properties to most materials, good resistance in changes of temperature and weather. Cured mass will not cause poison of platinum catalysts. It also exhibits good electronic properties, suitable for car lamp, electric and electronic devices sealing.

Typical Properties :

Color	All color
Appearance	Viscous Liquid
Viscosity (25°C , cps)	60,000 ~ 100,000
Specific Gravity (25°C)	1.38
Skin-Over Time (25°C)*	5 ~ 15 分鐘
Cure Time (25°C , 3mm)*	24 小時
Hardness (Shore A)	35
Tensile Strength (psi)	200
Elongation (%)	240
Lap-Shear Strength (psi)	
Aluminum - Aluminum	242
Copper - Copper	213
Steel - Steel	222
Iron - Iron	225
Sanded Iron – Sanded Iron	240
PMMA-PMMA	190
ABS - ABS	204
PC – PC	158
PVC-PVC	283
Dielectric Strength (Kv/mm)	20
Volume Resistivity ($\Omega \cdot \text{cm}$)	1.5×10^{15}
Flame Resistivity Level	UL94V0

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



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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.
2. Cut the tip according to the need of extrusion diameter.
3. Exclude out the air of tip prior to use.
4. Gently apply this product onto target. Do not stir to avoid trapping air. Curing will take place when it contacts moisture of air. Curing time depends on thickness of uses, the temperature 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 customer 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.

The above data offered are based on our laboratory works for customers' references only. The conditions of use (such as environment, temperature, and size) can absolutely affect the final results. Therefore, it is imperative to test this product in small amount 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.

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