

## FS-60 fire safe solid silicone

### Product description

FS-60 is a high-performance flame-retardant solid silicone which is mainly used as a sealing pad for fire-proof and flame-retardant requirements. With excellent toughness, thermal conductivity, aging resistance, and fire-retardant properties, it can achieve good sealing, fire resistance, shock absorption and filling. FS-60 meets UL 94 V-0 standard and design requirements, and has a wide range of thickness options. Therefore, it can be widely applied in different scenarios, such as aerospace, transportation, and electronics industries.



### Features and advantages

- Excellent fire resistance
- Durable resilience
- Good sealing performance
- Compliance with smoke, fire and toxicity requirements
- Good chemical resistant
- Good anti-aging performance

### Product specification

- In roll form, and product size can be customized or die-cut into various shapes according to customer requirements
- No adhesive, single-side or double-side adhesive

### Product Physical Properties

Properties	Typical value	Test method
Thickness/mm	0.50~3.18	ASTM D 374
Tolerance, %	± 10%	
Density/g cm <sup>-3</sup>	1.7	ASTM D 792
Hardness/Shore A	60±5	ASTM D 2240
Tensile strength/MPa	2.1	ASTM D 412
Elongation at break/%	200	ASTM D 412
Tear strength/ppi	50	ASTM D 624
Compression set/%, max (70h,150°C, compressed 25%)	3	ASTM D 395
Thermal conductivity /W m <sup>-1</sup> K <sup>-1</sup>	0.75	ASTM E 1461
Flame Resistance	V0	UL 94, HF-1
Recommended Temperature/°C	-60~220	SAE J-2236
RoHS Compliant	YES	

### Applications

- Flexible pipe gasket for aerospace
- Sealing gasket for fire and smoke prevention for train carriage
- Flame-retardant electronic sealing gasket
- Sealing gaskets for electrical appliances and instruments

### Storage and transportation

- Store in original packaging at room temperature; keep out open flames
- This product is non-toxic and non-dangerous.
- Handling and transportation as general chemicals.

The true and reliable data information contained in this information is intended to assist you in the design of the use of the Guangmai FS-60 fire safe solid silicone, based on the scope of application of the product determined by our current cognition and experience, unintentionally and does not constitute any warranty, express or implied, including any warranties of merchantability to the commodity, fitness for special purposes, and does not guarantee that the user can achieve the results shown in this data for a particular purpose. For applications outside the scope, or for use under different conditions and environments, the resulting results will not be liable. Therefore, we strongly recommend that the user determine the suitability of the product before use.

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