

# Silicone Rubber

Technical Data Sheet

SX0325-2022-05 V2

## SR 64XX UFR Series

Description: Series of SR 64XX UFR are flame retardant premixed compound of silicone rubber with good extrusion performance.

### Special properties:

- Excellent strength of compound
- Unstructured in a long-term storage.
- Good flame retardancy.
- Low compression set.
- Can be mixed with other rubbers
- Milky appearance and easy to pigment.

### Main applications:

- Sanesil SR64XXUFR is suitable for flame retardant products such as seals, wires, etc.

### Characteristics:

Type (according to GB/T 5576-1997).....FVMQ  
 Natural color.....beige

### Curing Condition:

After addition of 1.2% of 2.5-dimethyl bis -(tertiobutyl peroxy) 2.5-hexane (45%) and vulcanization for 5 min. at 180°C.

### Mechanical properties:

Item	Testing Method	Unit	SR6450UFR	SR6470UFR
1 Mechanical properties, 1.1 after single curing at 175°C×5Min				
Density	ASTM D792	g/cm <sup>3</sup>	1.49	1.52
Hardness(Shore A)	ASTM D2240		52	72
Tensile Strength	ASTM D412	Mpa	6.7	7.2
Elongation	ASTM D412	%	380	175
Type of flame retardancy	/	/	Halogen-free	Halogen-free
Grade of flame retardancy	UL 94-2018	/	V0	V0
Grade of environmental protection	ROSH 2.0	/	PASS	PASS
2 Mechanical properties, 2.1 after thermal ageing at 200°C×4H				
Hardness (Shore A)	ASTM D2240		53	72

Tensile Strength	ASTM D412	MPa	6.2	6.5
Elongation	ASTM D412	%	360	150
Compression Set 175x22Hx25% Type A	ASTM D395 Method B	%	25	24
2Mechanical properties, 2.2after thermal ageing at 225°Cx70H				
Hardness (Shore A)	ASTM D2240		57	75
Tensile Strength	ASTM D412	MPa	4.5	4.6
Elongation	ASTM D412	%	150	120

**Packaging:** 20 kg per cardboard boxes.

**Storage and shelf life:**

FS 64XX UFR series may be stored in its original unopened packaging at a temperature below 40°C for up to 12 months as from the date of manufacture.

For More Product Information, Please Visit Our Website: [www.sanezen.com](http://www.sanezen.com)

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