

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 -(tertibutyl 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 ³	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 175×22H×25% Type A	ASTM D395 Method B	%	25	24
2Mechanical properties , 2.2after thermal ageing at 225℃×70H				
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

Contact:

Plant Address: Baishou Road, North District of Xuan Zhou Economic Development Zone, Xuan Cheng City Anhui Province, China.

Commercial Address: Room 1606-1608, Boda Commercial Buildings, No. 11 Puhuitang Road Xuhui District, Shanghai, China 200030 Tel: +86 21 6487 9251 Fax: +86 21 5106 2693

E-mail: kevenwang@sanezen.com

Warning to the users:

The information contained in this document is given in good faith based on our current knowledge. It is only an indication and is in no way binding, particularly as regards infringement of or prejudice to third party rights through the use of our products. Sanezen guarantees that its products comply with its sales specifications. This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for given use. Determination of the suitability of product for the uses and applications contemplated by users and others shall be the sole responsibility of users. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorisations. Users are requested to check that they are in possession of the latest version of this document and Sanezen is at their disposal to supply any additional information.