

Fluorosilicone Rubber

Technical Data Sheet

SX0325-2022-02 V2

Sanesil FS 8200 U Series

Description: Series of FS 8200 U are high-end premixed compound of fluorosilicone rubber with good extrusion performance.

Special properties:

- Good extrusion performance.
- Excellent resistance to oil and non-polar chemical.
- Low compression set.
- Wide operating temperature: -60~230℃
- Good processability and easily pigmented.
- Excellent resistance to structuration.

Main applications:

- Mainly used in automobile industry, aerospace industry, petroleum chemical industry and military industry.
- Suitable for applications as sealing materials for petroleum oil, lubricant oil, hydraulic oil, transformer oil, and non-polar chemical reagents in low temperature and/or high temperature environments.

Characteristics:

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

Natural color.....translucent, smooth surface, no impurities

Curing Condition:

After addition of 1.2% of 2,5-dimethyl bis-(tert-butyl peroxy) 2,5-hexane (45%) and vulcanization for 10 min. at 170℃, with post curing at 200℃×4.

Mechanical properties:

Item	Testing Method	Unit	Technical data		
			FS 8250 U	FS 8260 U	FS 8280 U
Appearance	Visual Observation	—	translucent, smooth surface, no impurities		
Density	ASTM D792	g/cm ³	1.46	1.48	1.5
Hardness (Shore A)	ASTM D2240	SHA	50	60	80
Tensile Strength	ASTM D412	MPa	9.9	9.8	7.3
Elongation	ASTM D412	%	320	380	320

Tear Strength	ASTM D 624 B	kN/m	22	27	27
Compression Set (22hr/177°C)	ASTM D395 Method B	%	17	19	23
Fuel B Volume Swell (23°C x 70hr)	GB/T1690	%	21	18	18

Packaging: 25 kg per cardboard boxes.

Storage and shelf life:

FS 8200 U 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.