

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.
- Wild operating temperature: -60~230°C
- Good processability and easily pigmented.
- Excellent resistance to structurization.

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 -(tertiobutyl peroxy) 2.5-hexane (45%) and vulcanization for 10 min. at 170°C, with post curing at 200°C×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/cm3	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×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:

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