

# Silicone Rubber

Technical Data Sheet

## SR 4XXU Series

SX0610-2023-04 V2

Description: This series is a premixed compound of silicone rubber with good physical properties, good process-ability, vulcanizing under heat after addition of a vulcanizing agent that could be chosen according to processing requirement.

### Special properties:

- Excellent mechanical properties.
- Excellent appearance.
- Easy to process and demold, not sticky to rolls.
- Good stability up to 200℃.
- Slight replastification after prolonged storage.
- Wild range of reloading or blending.

### Main applications:

- Molding article required good mechanical properties and appearance.

### Characteristics:

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

Natural color..... translucent

### Curing Condition:

After addition of 1.1% of 2,5-dimethyl-2-5-di(tert-butylperoxy) hexane (at 45%) and vulcanization for 10 min at 170℃.

### Mechanical properties

Item	Testing Method	Unit	Technical Data				
			SR430U	SR440U	SR450U	SR460U	SR470U
Appearance	Visual Observation		Translucent	Translucent	Translucent	Translucent	Translucent
Density	ASTM D792	g/cm <sup>3</sup>	1.08	1.12	1.15	1.17	1.19
Hardness	ASTM D2240	Shore A	33	43	51	60	70
Tensile Strength	ASTM D412	Mpa	9.8	9.5	9.4	12.1	11.2
Elongation	ASTM D412	%	812	692	512	495	360
100% Modulus	ASTM D412	Mpa	0.62	0.84	1.17	1.85	3.11
Tear Strength	ASTM D624 Die B	N/mm	15	19	21	22	27
Rebound	ASTM D395 Method B	%	70.1	62.5	59.4	55.5	55.7

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

### Storage and shelf life:

This series may be stored in its original unopened packaging at a temperature below 40℃ for up to 12 months as from the date of manufacture.

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

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