

Silicone Rubber

Technical Data Sheet

SR 8XXU Series

SX0325-2022-09 V2

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

Special properties:

- High rebound and low compression set.
- Easy to process and demold, not sticky to 2-rolls.
- Slight replastification after prolonged storage
- Bright colors easily obtained with color bases.
- Wild range of reloading or blending.

Main applications:

- SR8XXU can be used to manufacture articles required high rebound and low compression set, such as oil ring, gasket and roller,etc.

Characteristics:

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

Natural color..... translucent

Curing Condition:

Cure for 5 mins at 175℃ after addition of 1.1% of 2,5-dimethyl-2-5-di(tert-butylperoxy) hexane (at 45%).

Mechanical properties

Item	Testing Method	Unit	Technical Data					
			SR830U	SR840U	SR850U	SR860U	SR870U	SR880U
Appearance	Visual Observation		Translucent	Translucent	Translucent	Translucent	Translucent	Translucent
Density	ASTM D792	g/cm3	1.07	1.10	1.14	1.16	1.19	1.22
Hardness (Shore A)	ASTM D2240	Sha	34	41	50	63	71	80
Tensile Strength	ASTM D412	Mpa	5.6	6.1	8.9	8.5	8.9	7.2
Elongation	ASTM D412	%	576	435	442	357	289	175
100% M	ASTM D412	Mpa	0.63	0.93	1.35	2.2	3.16	4.54
Tear Strength	ASTM D624 B	N/mm	8	9	12	18	16	11
Compress Set (177℃*22h)	ASTM D395	N/mm	10	7	9	10	11	9
Rebound	ASTM D395 Method B	%	67	72	66	58	53	49

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°C for up to 12 months as from the date of manufacture.

For More Product Information, Please Visit Our Website: www.sanezen.com

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