

Silicone Rubber

Technical Data Sheet

SR 5XXU Series

SX0325-2022-07 V2

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

Special properties:

- Good mechanical properties.
- Excellent appearance.
- Easy to process and demold, not sticky to rolls.
- Good stability up to 200℃.
- Slight replastification after prolonged storage.
- No post-cure or slight post-cure.
- 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 5 min at 175℃.

Mechanical properties

Item	Testing Method	Unit	Technical Data							
			515U	520U	530U	540U	550U	560U	570U	580U
Appearance	Visual Observation		Translucent	Translucent	Translucent	Translucent	Translucent	Translucent	Translucent	Translucent
Density	ASTM D792	g/cm3	1.07	1.07	1.08	1.12	1.16	1.18	1.21	1.23
Hardness (Shore A)	ASTM D2240	Sha	16	20	30	41	50	60	70	80
Tensile Strength	ASTM D412	Mpa	5.6	5.8	8.1	9.2	8.8	8.9	8.5	8.1
Elongation	ASTM D412	%	1210	1123	835	708	573	450	383	221
100% M	ASTM D412	Mpa	0.19	0.30	0.46	0.75	1.14	1.87	2.87	4.16
Tear Strength B	ASTM D624 Die B	N/mm	14	15	12	17	17	18	19	16

Tear Strength C	ASTM D624 Die C	N/mm	16	16	17	19	22	26	24	24
Compress Set (177°C *22h)	ASTM D395 Method B	%	NA	37	41	27	28	21	19	16
Rebound	ASTM D395 Method B	%	54	53	60	59	53	52	45	44

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

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

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