

Silicone Rubber

Technical Data Sheet

SR 1XXU Series

SX0610-2023-01 V2

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

Special properties:

- Good balanced properties.
- Good appearance.
- Easy to process and demold, not sticky to rolls.
- Good stability up to 200°C.
- Slight replastification after prolonged storage.
- Wide range of reloading or blending.
- Bright colors easily obtained

Main applications:

- Molding article required good balanced mechanical properties ,Molded articles, keypad, sealing ring, O-Rings, swimming cap etc.

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 5min at 175°C.

Mechanical properties

Item	Testing Method	Unit	Technical Data				
			SR130U	SR140U	SR150U	SR160U	SR170U
Appearance	Visual Observation		Translucent	Translucent	Translucent	Translucent	Translucent
Density	ASTM D792	g/cm3	1.08	1.13	1.17	1.19	1.21
Hardness	ASTM D2240	Shore A	29	41	51	59	70
Tensile Strength	ASTM D412	Mpa	8.0	6.9	8.3	8.8	8.1
Elongation	ASTM D412	%	712	534	420	356	248
100% Modulus	ASTM D412	Mpa	0.53	0.81	1.47	1.95	3.46
Tear Strength	ASTM D624 Die B	N/mm	13	14	16	18	20
Rebound	ASTM D395 Method B	%	73.2	73.3	65.9	59.6	56.6

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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