

Silicone Rubber

Technical Data Sheet

SR 3XXU Series

SX0610-2023-03 V2

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

Special properties:

- Platinum curing adapted to process of molding, extrusion and calendering.
- Excellent operation time (after adding platinum curing agent)
- 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 Platinum cured, molded general miscellaneous articles, kitchenware, extrusions such as cable, seals, sheet, tube, etc, Silicone calendering cloth & sheet & plate 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				
			SR340U	SR350U	SR360U	SR370U	SR380U
Appearance	Visual Observation		Translucent	Translucent	Translucent	Translucent	Translucent
Density	ASTM D792	g/cm3	1.13	1.16	1.19	1.12	1.23
Hardness	ASTM D2240	Shore A	39	50	59	71	80
Tensile Strength	ASTM D412	Mpa	6.9	7.2	6.8	8.2	7.1
Elongation	ASTM D412	%	562	430	348	248	202
100% Modulus	ASTM D412	Mpa	0.81	1.33	2.12	3.61	2.65
Tear Strength	ASTM D624 Die B	N/mm	13	14	16	18	17
Rebound	ASTM D395 Method B	%	70.1	64.9	57.5	56.5	55.2

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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