

Silicone Rubber

Technical Data Sheet

SR960U Series

SX0118-2022-01 V3

Description: This series is a premixed compound for electrical insulating silicone rubber vulcanizing under heat after addition of a vulcanizing agent that could be chosen according to processing requirement.

Special properties:

- Good tracking & erosion resistance
- Good hydrophobicity and flame retardancy
- Easy to process and demold, not sticky to rolls
- Good electrical insulation properties
- Superior molding processing performance
- Good mechanical properties
- Suitable dielectric properties

Main applications: Insulating products of different voltage grades. And for all types of electrical insulating equipment for outdoor use, such as composite insulators, surge arresters, bushings, etc.

Characteristics:

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

Curing Condition:

After addition of DMDBH 1.2%-1.5% and vulcanization for 5min at 175°C.

Mechanical properties

Item	Testing Method	Unit	Technical Data
			SR960U
Appearance	Visual Observation		Translucent
Hardness	ASTM D2240	Shore A	63
Density	ASTM D792	g/cm3	1.53
Mooney Viscosity, ML (1+4) 100°C	GBT 12828-2006		21.5
Tensile Strength	ASTM D412	Mpa	5.4
Elongation	ASTM D412	%	278
Tear Strength	ASTM D624 Die B	N/mm	12
Volume resistivity	IEC 60093	Ω·cm	5.3×10 ¹⁴
Dielectric strength	IEC 60243	Kv/mm	21.5
Tracking&Erosion resistance	IEC 60587	TM1A4.5≤2.5mm	pass
Fire resistance	UL-94	FV-0	pass

Packaging: 20 kg per cardboard boxes.

Storage and shelf life:

This series may be stored in its original unopened packaging at a temperature below 30°C for up to 10 months as from the date of manufacture. Better use it within three months.

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

Contact:

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