

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/cm ³ | 1.53 |
| Mooney Viscosity, ML (1+4) 100°C | GB/T 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

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