Product Information
Technical Data Sheet

Silicone Rubber Compound

TS 601/70U

Fire-poof cables purpose

FEATURES
- 70 Shore A hardness
- Milky white
- Fire proof cable (IEC 60331-1/2/3, KSF 2257)
- Ceramifiable

BENEFITS
- Pigmentable
- Wide service temperature
- Suitable for extruding process

A TS 601/70U silicone rubber designed for use in safety cable industries.

1. APPLICATIONS

Special extruded rubber parts such as Fire-proof cable & wire, tubes, gasket, for electric & construction articles

2. TYPICAL PROPERTIES

TS 601/70U

Properties	Standard	Unit	Value
Appearance	ASTM E1767		Milky white
Williams Plasticity	ASTM D926	mm/100	230
Specific gravity	ASTM D792		1.40
Hardness	ASTM D2240	Shore A	70
Tensile Strength	ASTM D412	MPa	6.8
Elongation at break	ASTM D412	%	200
Tear strength, Type C	KS M 6783	KN/m	16
Volume resistivity	ASTM D257	Ω·cm	10^{15}
Dielectric strength	ASTM D149	kV/mm	24

Properties obtained using 1.2 part of SC-2(2,4-dichlorobenzoylperoxide) on 2mm thick slabs: molded 5 minutes at 120℃ and post-cured 4hours at 200℃.
*** Specification writers :** These values are not intended for use in preparing specifications.

3. HOW TO USE

TS 601/70U is most suitable for blending or pigmenting, milling with a two-roll mill process. Milling time should be carefully decided to secure uniformity of silicone rubber. When extruding, Grace Continental Korea recommends using 1.2 to 1.4 part of SC-2 to 100 parts of silicone rubber. Standard cure temperature is 120℃, and its cure time depends on thickness of final products. Post cure condition would be 4 hours at 200℃ after extruding in most case.

For more detailed information on the use of TS 601/70U silicone rubber, please contact Grace Continental Sales.

4. PACKING

TS 601/70U is available in 20kg boxes

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TS 601/70U

5. HANDLING PRECAUTIONS

Product safety information required for safe use is not included. Before handling, read product and safety data sheet.

6. USABLE LIFE AND STORAGE

When stored at or below 50℃ in the original unopened containers, this product has a usable life of 12 months From the date of production.

7. LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses. This product described herein have been designed, manufactured and developed solely for general industrial use only.

8. LIMITED WARRANTY INFORMATION : PLEASE READ CAREFULLY

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