Product Information
Technical Data Sheet

Silicone Rubber Compound | **TS 503/75U** | **Cable and Wire purpose**

FEATURES
- 73 Shore A hardness
- Milky white
- Cable & wire purpose

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

A TS 503/75U silicone rubber designed for use in a variety of extruded goods

1. APPLICATIONS

Special extruded rubber parts such as cable & wire, tubes, gasket, kitchenware packing and others for electrical industries.

2. TYPICAL PROPERTIES

TS 503/75U

Properties	Standard	Unit	Value
Appearance	ASTM E1767		Milky white
Williams Plasticity	ASTM D926	mm/100	220
Specific gravity	ASTM D792		1.43
Hardness	ASTM D2240	Shore A	73
Tensile Strength	ASTM D412	MPa	7.5
Elongation at break	ASTM D412	%	250
Tear strength, Type C	KS M 6783	KN/m	17
Volume resistivity	ASTM D257	Ω·cm	10^{15}
Dielectric strength	ASTM D149	kV/mm	27

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 503/75U 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 503/75U silicone rubber, please contact Grace Continental Sales.

4. PACKING

TS 503/75U is available in 20kg boxes

Silicone Rubber Compound

TS 503/75U

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

The information contained herein is offered in good faith and is believed to be accurate. However, because Conditions and methods of use of our products are beyond our control, this information should not be used in Substitution for customer's tests to ensure that Grace Continental Korea's products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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