

Product Information

Technical Data Sheet

Silicone Rubber Compound

TS 1070U

FEATURES

- 70 Shore A hardness
- Transparency

BENEFITS

- Pigmentable
- Wide service temperature
- Suitable for molding process
- High tear & tensile strength

A TS 1070U silicone rubber designed for use in a variety of molded goods

1. APPLICATIONS

Special molded rubber parts such as gasket, packing and others for high tensile strength and tear strength.

2. TYPICAL PROPERTIES

TS 1070U

Properties	Standard	Unit	Value
Appearance	-	-	Transparency
Plasticity	ASTM D926	mm/100	240
Specific gravity	ASTM D792	-	1.18
Hardness	KS M 6518	Shore A	71
Tensile Strength	KS M 6518	MPa	10
Elongation at break	KS M 6518	%	650
Tear strength, Type B	KS M 6518	KN/m	47

Properties obtained using 0.8 part of SC-8BH (2,5-bis(tert-butylperoxy)-2,5-dimethyl hexane. 46%) on 2mm thick slabs: molded 10 minutes at 170°C and post-cured 4 hours at 200°C.

*** Specification writers :** These values are not intended for use in preparing specifications.

3. HOW TO USE

TS 1070U 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 molding, Grace Continental Korea recommends using 0.8 to 1.2 part of SC-8BH to 100 parts of silicone rubber. Standard cure temperature is 170°C, and its cure time depends on thickness of final products. Post cure condition would be 4 hours at 200°C after molding in most case.

For more detailed information on the use of TS 1070U silicone rubber, please contact Grace Continental Sales.

4. PACKING

TS 1070U is available in 20kg boxes

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Compound**

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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°C 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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