

Product Information

Technical Data Sheet

**Silicone Rubber
Compound**

TS 471U

**Steam and Heat
resistance purpose**

FEATURES

- 70 Shore A hardness
- Yellow-white
- Steam & heat resistance

BENEFITS

- Pigmentable
- Wide service temperature
- Suitable for molding process

A TS 471U silicone rubber designed for use in a variety of molded goods

1. APPLICATIONS

Special molded rubber parts such as Steam Rice Cooker, Steam Iron, Jar Pot, Autoclave

2. TYPICAL PROPERTIES

TS 471U

Properties	Standard	Unit	Value
Appearance	ASTM E1767		Yellow-white
Williams Plasticity	ASTM D926	mm/100	260
Specific gravity	ASTM D792		1.20
Hardness	ASTM D2240	Shore A	68
Tensile Strength	ASTM D412	MPa	9.3
Elongation at break	ASTM D412	%	250
Tear strength, Type C	ASTM D624	KN/m	24
Linear Shrinkage	JIS K6249	%	3.6
Compression set (175°C, 22hr)	ASTM D395	%	15

Properties obtained using 0.8 part of SC-8B(50P)(2,5-bis(tert-butylperoxy)-2,5-dimethyl hexane) on 2mm thick slabs: molded 10 minutes at 170°C and post-cured 4hours at 200°C.

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

3. TS 471U Vs NPC COMPARISON TEST

Properties	Standard	Unit	TS 471 U	Competitors NPC
Appearance	ASTM E1767		Yellow-white	Milky-White
Williams Plasticity	ASTM D926	mm/100	260	289
Specific gravity	ASTM D792		1.20	1.33
Hardness, Shore A	ASTM D2240	Shore A	68	70
Tensile Strength	ASTM D412	MPa	9.3	8.6
Elongation at break	ASTM D412	%	283	246
Tear strength, Type B	ASTM D624	KN/m	24	21
Compression set (175°CX22hrs)	ASTM D395	%	15	16

4. AGING TEST RESULTS

Results (200°CX4hrs Plus 250°CX72hrs)	TS 471 U	Competitors NPC
Change point after aging, Hardness	+1	+10
Change % after aging, Tensile St.	-19	-25
Change % after aging, Elongation	-33	-72

1. The test piece preparation procedure is performed on the same conditions as described on page 1.
2. The measured is wrote to facilitate the introduction product value for reference and it was not specifically designed for standardization or product warranty.

5. PACKING

TS 471U is available in 20kg boxes

6. HANDLING PRECAUTIONS

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

7. 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.

8. 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.

9. LIMITED WARRANTY INFORMATION : PLEASE READ CAREFULLY

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