

# Product Data

## Steam Resistant Silicone Rubber

# TY7451

TY7451 are light yellow appearance, steam resistant type heat cured compounds for molding.

### MODEL

- ◆ TY7451

### KEY FEATURES

- ◆ Light yellow appearance
- ◆ Excellent steam resistant
- ◆ Formulated to meet FDA 21 CFR 177.2600 and BgVV, XV
- ◆ Formulated to meet LMBG
- ◆ Formulated to meet RoHS

### APPLICATIONS

- ◆ O-rings, Gaskets, Sheets

### TYPICAL PROPERTY DATA

ASTM	Property	Unit	Value
	Appearance		Light yellow
D926	Plasticity	mm×100	240
D792	Specific Gravity	g/cm <sup>3</sup>	1.13
D2240	Durometer	Shore A	50
D412	Tensile Strength	MPa	9.0
D412	Elongation	%	500
D624	Tear Strength	kN/m	20
D395	Compression set	%	15
D2632	Bashore Resilience	%	60
	Linear Shirkage	%	3.00
Steam resistant: 7 days@6.0MPa			
D2240	Durometer		48
D412	Tensile Strength	MPa	9.0
D412	Elongation	%	440
D624	Tear Strength	kN/m	15

- ◆ Specification writers: These values are not intended for use in preparing specifications. Please contact your local TIANYU sales representative prior to writing specification on this product.
- ◆ Properties obtained on 2mm thick slabs: Press cured 10 minute at 170°C, 45% active A catalyst, parts, 1%.
- ◆ A catalyst: 2,5-bis[tert-butylperoxy]-2,5-dimethylhexane



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- ◆ ASTM: American Society for Testing and Materials
- ◆ Compression set: After aging 22 hrs@180°C

### HANDLING, SAFETY AND STORAGE

- ◆ Product safety information required for safe use is not included. Before handling, read product and safety data sheets and container labels for safe use, physical and health hazard information. The material safety data sheet is available on the TIANYU website at [www.tinyo.com](http://www.tinyo.com). You can also obtain a copy from your local TIANYU sale representative.
- ◆ When stored at or below 38°C in the original unopened containers, this product has a usable life of 3 months from the date of production.

### PACKAGING

- ◆ 20kg box

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#### FOR INDUSTRIAL USE ONLY

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