

Product Data

General Purpose Silicone Rubber

TY0991

TY0991 are general-purpose type heat cured compounds for molding.

MODEL

- ◆ TY0991

KEY FEATURES

- ◆ Excellent process ability.
- ◆ High strength properties
- ◆ Formulated to meet FDA 21 CFR 177.2600 and BgVV, XV
- ◆ Formulated to meet LMBG

APPLICATIONS

- ◆ O-rings
- ◆ Gaskets
- ◆ Sheets
- ◆ Rubber parts for food contact

TYPICAL PROPERTY DATA

ASTM	Property	Unit	Value
	Appearance		Translucent
D926	Plasticity	mm×100	350
D792	Specific Gravity	g/cm ³	1.24
D2240	Durometer	Shore A	89
D412	Tensile Strength	MPa	7.0
D412	Elongation	%	120
D624	Tear Strength	kN/m	16
D2632	Bashore Resilience	%	40
	Linear Shirkage	%	3.00

- ◆ 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
- ◆ ASTM: American Society for Testing and Materials



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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. 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

Issued 2006-9-6

FOR INDUSTRIAL USE ONLY

It is the responsibility of the user to determine the suitability of any TIANYU High Polymer Material Co., Ltd. Product for any intended application. NEVER USE ANY TIANYU High Polymer Material Co., Ltd. PRODUCT FOR IMPLANTATION OR INJECTION INTO THE HUMAN BODY. Specifications are available by contacting TIANYU High Polymer Material Co., Ltd. Typical property data values should not be used as specification. Inasmuch as TIANYU High Polymer Material Co., Ltd. Has no control over the use to which others may put the material, it does not guarantee that the same results as those described herein will be obtained. Each user of the material should make his own tests to determine the suitability of the material for his own particular use. Statements concerning possible or suggested uses of the material described herein are not to be construed as constituting a license under any TIANYU High Polymer Material Co., Ltd. Patent covering use or as recommendations for use of such material in infringement of any patent. Material Safety Data Sheets are available upon request from TIANYU High Polymer Material Co., Ltd. The contents of this catalog are subject to change without notice. No part of this data may be reproduced without the prior approval of TIANYU High Polymer Material Co., Ltd.



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