



## Technical Data Sheet

### XIAMETER™ RBB-2002-70 Base

70 Durometer, translucent, general purpose, uncatalyzed silicone rubber base

#### Features & Benefits

- Serviceable over wide temperature range
- Pigmentable
- Accepts extending fillers
- Formulated to meet FDA 21 CFR 177.2600 and BgVV,XV

#### Applications

- Extrusion, tubing and profiles
- Molding
- Calendering and sheeting

#### Typical Properties

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

Formulation			
XIAMETER™ RBB-2002-70 Base, parts			100
V Catalyst, 45% active, parts			1.2
Test <sup>1</sup>	Property	Unit	Result
	Appearance		Transparent
D926	Plasticity	mm x 100 (mils)	350 (137)
D792	Specific Gravity at 23°C (73°F)		1.23
D2240	Durometer	Shore A	67
D412	Tensile Strength	MPa (psi)	7.1 (1035)
D412	Elongation	%	490
D412	Modulus at 100% elongation	MPa (psi)	1.6 (230)
D624 DIE B	Tear Strength	kN/m (ppi)	27 (155)
D2632	Bashore Resilience	%	34
D2137	Brittle Point	°C (°F)	-73 (-99)

1. ASTM: American Society for Testing and Materials. Materials were tested according to Corporate Test Methods (CTM), which in most cases are similar to the ASTM standards listed above. Copies of CTMs are available on request.

Properties obtained on 2 mm thick (0.08 inches) slabs: press cured 10 minutes at 171°C (340°F).  
Post-cured for 1 hour at 250°C (482°F).

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XIAMETER™ RBB-2002-70 Base

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## How To Use

### Vulcanization

XIAMETER™ RBB-2002-70 Base required the addition of a vulcanizing agent. T-catalyst (2,4-dichloro-benzoyl peroxide) is recommended for hot air vulcanization.

V catalyst (2,5-bis[tert-butylperoxy]-2,5-dimethylhexane) or D catalyst (dicumylperoxide) is recommended for molding.

### Pigmentation

This silicone rubber base can be pigmented with standard XIAMETER™ Pigment Master Batches.

### Property Modification

The physical properties of this product can be modified using a range of Dow additives.

This silicone rubber base can be blended with other durometer silicone rubber bases to produce materials with intermediate durometers and properties.

## Food Contact

This product has been formatted to meet applicable food contact regulations and recommendations (for example: FDA 21.CFR 177.2600 and BgVV, XV).

Note: It remains the manufacturers' responsibility to test the final product.

For further details on the suitability of this product for food contact applications, please refer to the Food Regulatory Profile.

## Handling Precautions

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE SAFETY DATA SHEET IS AVAILABLE ON THE DOW WEBSITE AT [WWW.CONSUMER.DOW.COM](http://WWW.CONSUMER.DOW.COM), OR FROM YOUR DOW SALES APPLICATION ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CUSTOMER SERVICE.

## Usable Life And Storage

When stored at or below 50°C in the original unopened containers, this product has a usable life of 36 months from the date of production.

## Limitations

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

## Health And Environmental Information

To support customers in their product safety needs, Dow has an extensive Product Stewardship organization and a team of product safety and regulatory compliance specialists available in each area.

For further information, please see our website, [www.consumer.dow.com](http://www.consumer.dow.com) or consult your local Dow representative.

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