



Technical Data Sheet

XIAMETER™ RBB-2420-40 Silicone Rubber

40 Durometer, translucent, uncatalyzed silicone rubber base

Features & Benefits

- 40 Shore A Hardness
- High translucency
- High tear strength
- Good processability
- Formulated to meet BfR Recommendation XV and FDA 21 CFR 177.2600

Applications

- Excellent tear strength
- High transparency
- Specially designed for baby nipple application and food contact applications.
- Die casting
- Extrusion, tubing and profiles

Typical Properties

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

ASTM ¹	Property	Unit	Result
	Appearance		Translucent
D792	Specific gravity		1.11
D2240	Durometer	Shore A	40
D412 DIE C	Tensile strength	MPa	8.1
D412 DIE C	Elongation at break	%	600
D624 DIE B	Tear strength	kN/m	38
CTM 0159	Shrinkage	%	4.2
D395 method B	Compression set after 22 hours at 177°C (351°F)	%	25

1. ASTM: American Society for Testing and Materials. Materials were tested according to Dow Corporate Test Methods (CTM), which in most cases are similar to the ASTM standard listed above. Copies of CTMs are available on request. Properties obtained using 1.0 phr SILASTIC™ RC-4 50P FD Rubber Additive on 2 mm thick slabs, press cured 10 minutes at 170°C, and post cured 4 hours at 200°C.

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How To Use

Pigmentation, Modification And Blending

XIAMETER™ RBB-2420-40 Silicone Rubber is primarily used for moulded parts especially for food contact applications such as baby care products and other miscellaneous goods. It is suitable for contact with food and food products,

XIAMETER RBB-2420-40 Silicone Rubber can be pigmented with standard XIAMETER™ Pigment Master Batches. A comprehensive range of master batches is available from Dow.

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

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

Food Contact

This product has been formulated to meet applicable food contact regulations and recommendations (for example: FDA 21.CFR 177.2600 and BfR Recommendation 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, 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 (122°F) in the original unopened containers, this product has a usable life of 12 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 or consult your local Dow representative.

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<http://www.xiameter.com>

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Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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