



Technical Data Sheet

XIAMETER™ RBB-2400-50 Silicone Rubber

50 Durometer, general purpose, uncatalyzed silicone rubber base

Features & Benefits

- General purpose
- Good extrusion characteristics
- Formulated to meet BfR,XV and FDA 21 CFR 177.2600

Applications

- Tubing and profiles
- Calendering and sheeting
- Wire and Cable
- Molding

Typical Properties

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

ASTM ¹	Property	Unit	Result	
			DCLBP ²	DBPH ³
	Appearance		Translucent	Translucent
D792	Specific Gravity		1.13	1.13
D2240	Durometer	Shore A	55	51
D412 DIE C	Tensile Strength	MPa	11.0	11.0
D412 DIE C	Elongation at Break	%	490	630
D624 DIE B	Tear Strength	kN/m	22.0	25.0
D395 method B	Compression set after 22 hours at 177°C(351°F)	%	30.0	31.0

1. ASTM: American Society for Testing and Materials.
2. Properties obtained using a 1.2 phr DCLBP bis (2,4-dichlorobenzoyl) peroxide 50% on 2 mm thick slabs: Press cured 5 minutes at 116°C (241°F). Post-cured 4 hours at 200°C (392°F).
3. Properties obtained using 1.0 phr SILASTIC™ RC-4 50P FD Rubber Additive 50% (2,5-dimethyl-2,5-di(t-butylperoxy) hexane) DBPH on 2 mm thick slabs: Press cured 10 minutes at 170°C (338°F).

How To Use

Pigmentation

XIAMETER™ RBB-2400-50 Silicone Rubber can be pigmented with a range of XIAMETER™ Pigment Master Batches.

UNRESTRICTED – May be shared with anyone

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XIAMETER™ RBB-2400-50 Silicone Rubber

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How To Use (Cont.)

Modification and Blending

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 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,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

Product should be stored at or below 50°C (122°F) in original, unopened containers.

Limitations

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

Not intended for human injection. Not intended for food use.

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 representative.

<http://www.xiameter.com>

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The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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