



Technical Data Sheet

XIAMETER™ RBB-2345-50 Base

50 Durometer, translucent, high temperature resistant, uncatalyzed Silicone Rubber Base

Features & Benefits

- High temperature resistance
- Will accept extending fillers
- Easy to pigment

Applications

- Extrusion/tubing/profiles
- Molding
- Wire and cable

Typical Properties

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

Test ¹	Property	Unit	Result
	Appearance		Translucent
D2240	Durometer	Shore A	52
D792	Specific gravity		1.16
D412 DIE C	Tensile strength	MPa (psi)	9.7 (1400)
D412 DIE C	Elongation at break	%	450

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 standards listed above.
Properties obtained on 2 mm thick slabs using 1.3 phr 50% 2,4-dichloro-benzoyl peroxide:
Press cured 5 minutes at 116°C (240°F). Stabilized 3 hours at room temperature.

How To Use

Vulcanization

XIAMETER™ RBB-2345-50 Base requires 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) is recommended for molding.

Pigmentation

This Silicone Rubber Base can be pigmented with standard XIAMETER™ Pigment Master Batches.

UNRESTRICTED – May be shared with anyone

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XIAMETER™ RBB-2345-50 Base

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Handling
Precautions

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Usable Life And
Storage

Product should be stored at or below 60°C (140°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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