



Technical Data Sheet

XIAMETER™ RBB-2900-80 Base

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

Features & Benefits

- General purpose
- Good translucency
- Good extrusion characteristics

Applications

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

Typical Properties

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

Test ¹	Property	Unit	Result	
			DCLBP	DCP
	Appearance		Translucent	Translucent
D792	Specific gravity		1.22	1.22
D2240	Durometer	Shore A	81	81
D412 DIE C	Tensile strength	MPa	9.5	8.2
D412 DIE C	Elongation at break	%	275	205
D624 DIE B	Tear strength	kN/m	16	16
D395 method B	Compression set after 22 hours at 177°C (351°F)	%	55	35

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 1.5 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) OR using 0.8 phr DCP dicumyl peroxide 95% on 2 mm thick slabs: Press cured 10 minutes at 160°C (320°F); Post cured 4 hours at 200°C (392°F).

Similar results to those obtained using DCP can be obtained using DHBP, 2,5-dimethyl-2,5-di(t-butylperoxy)hexane.

For hot air vulcanization (HAV) we recommend to increase peroxide levels up to 1.5 phr of DCLBP to allow for possible peroxide loss during high temperature curing.

UNRESTRICTED – May be shared with anyone

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XIAMETER™ RBB-2900-80 Base

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How To Use

Pigmentation, Modification And Blending

XIAMETER RBB-2900-80 Base can be pigmented with standard pigment masterbatches.

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 to produce materials with intermediate durometers and properties.

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 15 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.

<http://www.xiameter.com>

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