



Technical Data Sheet

XIAMETER™ RBB-2130-80 Base

80 Durometer, off-white, non post cure grade, uncatalyzed Silicone Rubber Base

Features & Benefits

- No post cure
- Low compression set
- Will accept extending fillers
- Formulated to meet BgVV,XV and FDA 21 CFR 177.2600 (when post cured)

Applications

- General seals and gaskets
- Industrial rollers
- Suitable for food contact

Typical Properties

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

Test ¹	Property	Unit	Result	
			DCLBP	DCP
	Appearance		Beige	Beige
D792	Specific gravity		1.41	1.41
D2240	Durometer	Shore A	81	81
D412 DIE C	Tensile strength	MPa	9.0	9.0
D412 DIE C	Elongation at break	%	175	175
D395 method B	Compression set after 22 hours at 177°C (351°F)	%	30	13

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

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.

Properties obtained using 1.2 phr DCLBP bis (2,4-dichlorobenzoyl) peroxide 50% on 2 mm thick slabs: Press cured 5 minutes at 116°C (241°F). OR using 0.6 phr DCP dicumyl peroxide 95% on 2 mm thick slabs: Press cured 10 minutes at 171°C (340°F).

How To Use

Pigmentation, Modification And Blending

XIAMETER™ RBB-2130-80 Base can be pigmented with standard XIAMETER™ Pigment Master Batches. A comprehensive range of master batches is available from Dow.

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How To Use (Cont.)	<p>The physical properties of this product can be modified using a range of Dow additives.</p> <p>This silicone rubber base can be blended with other durometer silicone rubber bases and extended fillers to produce materials with modified durometers and properties.</p>
Food Contact	<p>This product has been formulated to meet applicable food contact regulations and recommendations (for example: FDA 21.CFR 177.2600 and BgVV,Xv).</p> <p>Note: It remains the manufacturers' responsibility to test the final product.</p> <p>For further details on the suitability of this product for food contact applications, please refer to the Food Regulatory Profile.</p>
Handling Precautions	<p>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.</p>
Usable Life And Storage	<p>When stored at or below 50°C in the original unopened containers, this product has a usable life of 15 months from the date of production.</p>
Limitations	<p>This product is neither tested nor represented as suitable for medical or pharmaceutical uses.</p>
Health And Environmental Information	<p>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.</p> <p>For further information, please see our website, www.consumer.dow.com or consult your local representative.</p>

<http://www.xiameter.com>

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