



Technical Data Sheet

XIAMETER™ RBC-7600-xx Compounds

Silicone rubber compounds for rapid cure molding

Features & Benefits

- Formulated to meet BfR, XV, and FDA 21 CFR 177.2600
- Available in hardness ranging from 40 to 70 Shore A
- Color options available

Composition

- One Part Platinum-cured compounded high consistency rubber (HCR)

Applications

- Food contact applications

Product Options

Preforms

- XIAMETER™ RBC-7600-xx Compounds are available in log or sheet format. Other preforms may be available.

Colors

- Translucent
- White
- Black
- Red
- Blue
- Other colors may be available

Typical Properties¹

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

Test	Property	Unit	XIAMETER™ RBC-7600-40 Compound	XIAMETER™ RBC-7600-50 Compound	XIAMETER™ RBC-7600-60 Compound	XIAMETER™ RBC-7600-70 Compound
D2240	Durometer, Shore A		38	47	57	69
D792	Specific Gravity		1.10	1.12	1.15	1.18
D412 Die C	Tensile	MPa (psi)	8.37 (1213)	8.7 (1261)	9.5 (1376)	9.1 (1325)
D412 Die C	Elongation	%	801	699	532	517
D412 Die C	Modulus at 100% Elongation	MPa (psi)	.85 (119)	1.2 (170)	1.9 (272)	2.6 (371)
D624 Die B	Tear B	kN/m (ppi)	24.7 (141)	29.3 (167)	27.5 (157)	31.2 (178)

1. Properties obtained on 2-mm thick test slab, press cured for 10 minutes at 177°C (351°F).

How To Use XIAMETER RBC-7600-xx Compounds are supplied ready to use and fully formulated. Cure and processing conditions should be verified by the fabricator and will depend on the processing equipment used. Cure can be inhibited by contact with certain materials such as amines, sulfur, and tin complexes.

XIAMETER RBC-7600-xx Compounds are suitable for food contact applications.

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 38°C in the original unopened containers.

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

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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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