



Technical Data Sheet

XIAMETER™ RBC-7380-60 Compound Black

60 Durometer, conductive, 2 parts addition cure, extrusion grade silicone rubber compound

Features & Benefits

- Electrically conductive

Applications

- Ignition cable conductive core

Typical Properties

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

ASTM ¹	Property	Unit	Result
D2240	Durometer	Shore A	64
D792	Specific gravity		1.17
D412 Die C	Tensile strength	MPa	5.2
D412 Die C	Elongation at break	%	280
D257	Volume resistivity	Ohm.cm	1.65

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. Copies of CTMs are available on request.

Properties obtained on 2 mm thick test slabs: Press-cured 10 minutes at 170°C (338°F) and post-cured 4 hours at 200°C (293°F).

Catalyst addition: XIAMETER™ RBC-7380-60 Compound Black Part A mixed with 5% of XIAMETER™ RBC-7380-60 Compound Black Part B.

How to Use

XIAMETER™ RBC-7380-60 Compound Black Part A is mixed with 5% of XIAMETER™ RBC-7380-60 Compound Black Part B. The mixed material will remain usable for 72 hours at 25°C (77°F). 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.

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 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 32°C (90°F) in original, unopened containers. The most up-to-date shelf life information can be found on the Dow website in the product detail page under sales specification.

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, dow.com or consult your local Dow representative.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner.

It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

Dow strongly encourages its customers to review both their manufacturing processes and their applications of Dow products from the standpoint of human health and environmental quality to ensure that Dow products are not used in ways for which they are not intended or tested. Dow personnel are available to answer your questions and to provide reasonable technical support. Dow product literature, including safety data sheets, should be consulted prior to use of Dow products. Current safety data sheets are available from Dow.

dow.com

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