



## Technical Data Sheet

### SILASTIC™ FVMQ 60 AC Black Silicone Rubber

65 Shore A durometer, peroxide cure, molding grade, black color, fluorosilicone rubber compound.

#### Features & Benefits

- Good motor oil resistance
- Good fuel resistance
- Good mechanical properties
- For molding process

#### Composition

- Peroxide cure high consistency rubber fluorosilicone compound

#### Applications

- Gaskets, seals and O-rings

#### Typical Properties

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

| Test <sup>1</sup> | Property <sup>2</sup>                                    | Unit    | Result |
|-------------------|----------------------------------------------------------|---------|--------|
| ASTM D792         | Density                                                  |         | 1.48   |
| ASTM D2240        | Hardness                                                 | Shore A | 65     |
| ASTM D412         | Tensile Strength                                         | MPa     | 9      |
| ASTM D412         | Elongation                                               | %       | 250    |
| ASTM D624         | Tear Strength, (Die B)                                   | kN/m    | 20     |
| ASTM D395         | Compression Set Method B, (Large Button) after 22h/175°C | %       | 15     |

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 or ISO standard(s) listed above. Copies for CRMs are available on request.
2. Cure condition: 10 min at 170°C, post cured 4 h at 200°C

#### Description

SILASTIC™ FVMQ 60 AC Black Silicone Rubber is a peroxide cure, FSR compound developed for molding of automotive industry parts.

#### How to Use

SILASTIC™ FVMQ 60 AC Black Silicone Rubber is supplied fully formulated. Cure and processing conditions should be verified by the fabricator and will depend on the processing equipment used.

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Curing</b>                               | SILASTIC™ FVMQ 60 AC Silicone Rubber Black cures readily at elevated temperatures. The cure time depends on the thickness and the cure temperature used.                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Cleaning</b>                             | The uncured silicone can readily be removed by most hydrocarbon solvents. Polar solvents, such as ketones and alcohols are not suitable.                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Handling Precautions</b>                 | 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.                                                                                                                                                                                                                  |
| <b>Usable Life and Storage</b>              | When stored at or below 35°C (95°F) in the original unopened containers, this product has a usable life of 6 months from the date of production.                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Packaging Information</b>                | This product is available in 20 or 250 kg boxes.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Limitations</b>                          | This product is neither tested nor represented as suitable for medical or pharmaceutical uses.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Health and Environmental Information</b> | <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, <a href="http://dow.com">dow.com</a> or consult your local Dow representative.</p>                                                                                                                                                                                                                                                     |
| <b>Disposal Considerations</b>              | <p>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.</p> <p>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.</p>                                                                                                                                                          |
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| <b>Customer Notice</b>                      | 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.                                                       |

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