



Technical Data Sheet

SILASTIC™ LS-2840 Fluorosilicone Rubber

FEATURES & BENEFITS

- Low compression set
- Easily pigmented
- Excellent solvent/fluid resistance
- Retains properties over a wide temperature range

40 durometer, off-white, uncatalyzed fluorosilicone rubber base

APPLICATIONS

- Molded, extruded and calendered goods

TYPICAL PROPERTIES

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

ASTM ¹	Property	Unit	Result
D792	Specific gravity		1.43
D2240	Durometer at 1 second	Shore A	38
D412 DIE C	Tensile	MPa (psi)	10.1 (1470)
D412 DIE C	Elongation at break	%	519
D624	Tear B	kN/m (ppi)	26.7 (152)
D395 method B	Compression set after 22 hours at 177°C (351°F)	%	13
D471	Volume Swell in ASTM Reference Fuel B, 24 hours at 23°C (73°F)	%	18

¹ASTM: 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 1.0 phr XIAMETER™ RBM-9002 Rubber Additive and 1.0 phr 2,5-Dimethyl-2,5-di(tert-butylperoxy)hexane, 45% masterbatch on 1.91 mm (0.075 inch) thick slabs; molded 10 minutes at 171°C (340°F); postcured 4 hours at 200°C (392°F).

HOW TO USE

Pigmentation, Modification and Blending

SILASTIC™ LS-2840 Fluorosilicone Rubber can be pigmented with standard XIAMETER™ Pigment Masterbatches. The physical properties of this product can be modified using a range of XIAMETER™ additives.

This product can be blended with other durometer fluorosilicone rubbers to produce materials with intermediate durometers and properties. It can also be blended with conventional

XIAMETER™ silicone rubber to provide intermediate fluid resistance at intermediate costs.

HEAT STABILITY

Optimum heat stability can be achieved by adding 1.0 phr of XIAMETER RBM-9002 Rubber Additive.

XIAMETER RBM-9002 Rubber Additive is not an FDA-permitted ingredient. See data sheet for product information.

**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 container, this product has a usable life of 36 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.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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