

XIAMETER[®] LS-2840 Fluorosilicone Rubber

40 durometer, off-white, uncatalyzed fluorosilicone rubber base

FEATURES

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

APPLICATIONS

- Molded, extruded and calendered goods

TYPICAL PROPERTIES

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local XIAMETER[®] sales representative prior to writing specifications on this product.

ASTM ¹	Test	Unit	Value
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 Corning 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 *Silastic*[®] HT-1 Modifier and 1.0 phr DBPH-50 (DHBP) (2,5-bis (tert-butylperoxy) 2,5 dimethyl hexane) on 1.91mm (0.075inch-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

XIAMETER[®] LS-2840 Fluorosilicone Rubber can be pigmented with standard XIAMETER pigment masterbatches. A comprehensive range of masterbatches is available from XIAMETER. 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 brand silicone

rubber to provide intermediate fluid resistance at intermediate costs.

For more detailed information on the use of XIAMETER brand additives, please contact your local XIAMETER[®] Technical Representative.

HEAT STABILITY

Optimum heat stability can be achieved by adding 1.0 phr of *Silastic* HT-1 Modifier.

PRODUCT SAFETY INFORMATION

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL, ENVIRONMENTAL, AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE ON THE XIAMETER WEB SITE AT WWW.XIAMETER.COM.

STORAGE

Product should be stored at or below 50°C (122°F) in original, unopened containers. The most up-to-date shelf life information can be found on the XIAMETER Web site 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.

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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Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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