



## Technical Data Sheet

### SILASTIC™ LS 5-8760 Fluorosilicone Rubber Base

60 durometer, off-white, uncatalyzed fluorosilicone rubber base

#### Features & Benefits

- High tensile and tear strengths
- Good handling properties
- 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.

ASTM <sup>1</sup>	Property	Unit	Result
D792	Specific gravity		1.47
D2240	Durometer at 1 second	Shore A	60
D412 DIE C	Tensile	MPa (psi)	9.6 (1390)
D412 DIE C	Elongation at break	%	430
D624	Tear B	kN/m (ppi)	42.4 (242)
D2632	Bashore resiliency	% rebound	21
D471	Volume swell in ASTM reference fuel B, 24 hours at 23°C (73°F)	%	18

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 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); post-cured 4 hours at 200°C (392°F).

#### How To Use

##### Pigmentation, Modification And Blending

SILASTIC™ LS 5-8760 Fluorosilicone Rubber Base can be pigmented with standard XIAMETER™ Pigment Masterbatches. A comprehensive range of masterbatches is available from Dow. The physical properties of this product can be modified using a range of additives.

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## How To Use (Cont.)

### Pigmentation, Modification And Blending (Cont.)

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](http://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 32°C (90°F) in the original unopened container, this product has a usable life of 24 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](http://www.consumer.dow.com) or consult your local Dow representative.

<http://www.silastic.com>

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