



## Technical Data Sheet

### SILASTIC™ SE 8611 CVU Base

60 Durometer, molding, controlled volatile, uncatalyzed silicone rubber base

#### Features & Benefits

- 60 JIS-Type A hardness
- Lower volatile
- Good oil resistance
- Good processability
- Serviceable over wide temperature range
- Pigmentable
- Formulated to meet FDA 21 CFR 177.2600
- Suitable for both addition reaction and peroxide cure system

#### Composition

- Silicone rubber (HCR)
- Uncatalyzed stock (U-stock)

#### Applications

- Molding
- Consumer goods
- O-rings
- Rollers
- Packings, gaskets
- Consumer electronics
- Sheets
- Food contacts
- Oil resistance

#### Typical Properties

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

Test	Property	Unit	Result
<b>As supplied</b>			
	Appearance		Grey white
JIS K 6249	Plasticity	mm/100	252

1. JIS: Japanese Industrial Standard.

Properties obtained using 0.5 part of SILASTIC™ RC-4 50P FD Rubber Additive (2,5-bis(tert-butylperoxy)-2,5-dimethyl hexane, 50% masterbatch) per 100 parts of SILASTIC™ SE 8611 CVU Base: molded 10 minutes at 170°C (338°F) and post-cured 4 hours at 200°C (392°F).

## Typical Properties (Cont.)

Test	Property	Unit	Result
<b>As cured</b>			
JIS K 6249	Density	g/cm <sup>3</sup>	1.24
JIS K 6249	Durometer hardness, JIS type A		62
JIS K 6249	Tensile strength, JIS#3	MPa	7.7
JIS K 6249	Elongation, JIS#3	%	321
JIS K 6249	Tear strength, angle	N/mm	21
JIS K 6249	Linear shrinkage, disc <sup>2</sup>	%	2.7
	Volatile content (D4-D10) <sup>3</sup>	%	0.16
	Volatile content (D4-D20) <sup>3</sup>	%	0.45

- Linear shrinkage depends on the curing conditions such as type of curing agent, curing temperature and size of molded product.
- Properties obtained using 0.5 part of SILASTIC™ RC-4 50P FD Rubber Additive (2,5-bis(tert-butylperoxy)-2,5-dimethyl hexane, 50% masterbatch) per 100 parts of SILASTIC™ SE 8611 CVU Base: molded 10 minutes at 170°C (338°F) only (no post-cured).

## How to Use

### Milling

For adding vulcanizing agents, additives, and / or pigments or blending, milling with a two-roll mill is the most suitable process. Milling time should be carefully decided to secure uniformity of materials.

### Vulcanization

SILASTIC™ SE 8611 CVU Base requires the addition of a vulcanizing agent. SILASTIC™ RC-4 50P FD Rubber Additive is recommended for molding. Standard cure temperature is 170°C (338°F), and its cure time depends on the thickness of final products. Post-cure condition would be 4 hours at 200°C (392°F) after molding but it's possible to discard post-cure process if properties are acceptable.

### Compounding

SILASTIC™ SE 8611 CVU Base can be blended with other bases to modify the durometer of the compound. The physical properties of this product can be modified using a range of SILASTIC™ or XIAMETER™ additives. Further, SILASTIC™ SE 8611 CVU Base can be pigmented to almost any color shade desired.

## Food Contact

This product has been formulated to meet applicable food contact regulations and recommendations like FDA 21.CFR 177.2600.

Note: It remains the manufacturers' responsibility to test the final product.

For further details on the suitability of this product for food contact applications, please refer to the Food Regulatory Profile.

**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, this product has usable life of 270 days from the date of production.

**Packaging  
Information**

SILASTIC™ SE 8611 CVU Base is available in 20 kg (44 lb) boxes.

**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, [dow.com](http://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.

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