



Technical Data Sheet

SILASTIC™ LS-422 Fluorosilicone Base

FEATURES & BENEFITS

- 38 JIS (Japanese Industrial Standard)-Type A hardness fluorosilicone rubber
- Excellent fluid resistance to most hydrocarbon and silicone fluids
- Wide service temperature
- Pigmentable
- Capable of accepting fillers to produce higher durometer, fluid resistant compounds

COMPOSITION

- Fluorosilicone base

Fluorosilicone base used for making general molding parts for which oil and fuel resistance is required

APPLICATIONS

- Fuel & air system component parts
- Rubber molding parts
- Connector seals

TYPICAL PROPERTIES

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

Test ¹	Property	Unit	Result
As supplied			
CTM 0176	Appearance		Translucent
As cured			
JIS K 6249	Density	g/cm ³	1.38
JIS K 6249	Hardness, JIS type A		40
JIS K 6249	Tensile strength, JIS#3	MPa	8.1
JIS K 6249	Elongation, JIS#3	%	560
JIS K 6249	Tear strength, crescent	N/mm	12

¹CTM: Corporate Test Method, copies of CTMs are available on request.

JIS: Japanese Industrial Standard.

Properties obtained using 0.8 part of 2,5-Bis(tert-butylperoxy)-2,5-dimethylhexane, 45% masterbatch on 2 mm thick slabs: molded 10 minutes at 170°C (338°F) and post-cured 1 hour at 150°C (302°F).

DESCRIPTION

SILASTIC™ LS-422 Fluorosilicone Base is a 38 durometer fluorosilicone rubber base that exhibits excellent fluid resistance to most hydrocarbon and silicone fluids. It is suitable for making many general purpose fluorosilicone rubber goods using molding, extrusion, and calendering techniques.

HOW TO USE

For blending or pigmenting, milling with a two-roll mill is the most

suitable process. Milling time should be carefully decided to secure uniformity of materials. When molding, it is recommended to use about 0.8 part of 2,5-Bis(tert-butylperoxy)-2,5-dimethylhexane, 45% masterbatch to 100 parts of the stock. Standard cure temperature is 170°C (338°F), and its cure time depends on the thickness of final products. Postcure condition would be 1 hour at 150°C (302°F) after molding in most cases.

**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
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DISTRIBUTOR, OR BY CALLING
DOW CUSTOMER SERVICE.**

USABLE LIFE AND STORAGE

When stored below 32°C (90°F)
(away from direct sunlight) 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.

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