

SiSiB® FSE9700

Fluoro Silicone Rubber for Extrusion

INTRODUCTION

SiSiB® FSE9700 fluorosilicone is a base compound to be considered for applications exposed to non-polar fluids and solvents including fuels, oils and greases.

KEY FEATURES

- ☐ Suitable for extrusion application
- ☐ Excellent oil resistance and outstanding polar solvent resistance
- ☐ Retains properties over a wide temperature range of -60°C to 230°C
- ☐ Easily processed & easily pigmented

TYPICAL PHYSICAL PROPERTIES

Properties / Product	FSE9750	FSE9760	Method
Density g/cm ³	1.46	1.48	ASTM D792
Hardness Shore A	50	60	ASTM D2240
Tensile Strength (MPa) Die C	9.0	9.0	ASTM D412
Elongation at Break (%) Die C	300	350	ASTM D412
Tear Strength (KN/m) Die B	20	25	ASTM D624
Compression Set (22h/177°C)/%	18	20	ASTM D395
Volume Change (Reference Fuel B) (23°C x 70hr)	22	20	ASTM D471

Properties / Product	FSE9780	Method
Density g/cm ³	1.48	ASTM D792
Hardness Shore A	80	ASTM D2240
Tensile Strength (MPa) Die C	7.0	ASTM D412
Elongation at Break (%) Die C	300	ASTM D412
Tear Strength (KN/m) Die B	25	ASTM D624
Compression Set (22h/177°C)/%	25	ASTM D395
Volume Change (Reference Fuel B) (23°C x 70hr)	19	ASTM D471

Curing agent: 0.55 pbw 2,5-dimethyl-2,5-di(tert-butylperoxy)hexane (DHBP).

Curing conditions: 10min/170°C, post-curing: 4h/200°C in hot air

SiSiB[®] FSE9700

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APPLICATIONS

SiSiB[®] FSE9700 is used for extrusion application. It can be used to produce pipes, sealing stripes, and special-shaped parts for contacting petroleum oil, lubricant oil, hydraulic oil, transformer oil, and polar chemical reagents in low temperature and/or high temperature.

SiSiB[®] FSE9700 is widely used in automobile industry, aerospace industry, petroleum chemical industry and military industry.

PACKING AND STORAGE

SiSiB[®] FSE9700 fluorosilicone is supplied in 25kg boxes.

In the unopened original container it has a shelf life of one year in a dry and cool place.

NOTES

All information in the leaflet is based on our present knowledge and experience. We reserve the right to make any changes according to technological progress or further developments. Performance of the product described herein should be verified by testing.

We specifically disclaim any other express or implied warranty of fitness for a particular purpose or merchantability. We disclaim liability for any incidental or consequential damages.

Please send all technical questions concerning quality and product safety to: support@SiSiB.com.