

SiSiB[®] FSE9200

GENERAL PURPOSE FLUOROSILICONE RUBBER

INTRODUCTION

SiSiB[®] FSE9200 fluorosilicone is a base compound to be considered for applications exposed to non-polar fluids and solvents including fuels, oils and greases.

KEY FEATURES

- Excellent solvent / fluid resistance
- Retains properties over a wide temperature range of -60°C to 230°C
- Easily processed & easily pigmented

TYPICAL PHYSICAL PROPERTIES

Properties / Product	FSE9230	FSE9240	Method
Hardness(Shore A)	30	40	ASTM D2240
Tensile strength (MPa) Die C	8.5	10.0	ASTM D412
Elongation at break (%) Die C	350	375	ASTM D412
Tear strength Crescent Type (KN/m)	21	25	ASTM D624
Permanent Compression set (%) (22h@180°C)	15	12	ASTM D935
Volume Swell Reference Fuel B, (70h@23°C) (%)	22	20	ASTM D471

Properties / Product	FSE9250	FSE9260	FSE9270	FSE9280
Hardness(Shore A)	50	60	70	80
Tensile strength (MPa) Die C	10.5	9.5	9.0	8.0
Elongation at break (%) Die C	350	300	200	165
Tear strength Crescent Type (KN/m)	25	22	20	18
Permanent Compression set (%) (22h@180°C)	13	14	15	16
Volume Swell Reference Fuel B, (70h@23°C) (%)	19	18	18	18

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

Curing conditions: 15min/171°C, post-curing: 4h/200°C in hot air

APPLICATIONS

SINOPCC GROUP

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SiSiB[®] FSE9200 is used for general purpose molded, extruded, and calendered parts, like O-rings, gaskets, fuel-line quick-connect seals, oil seals, sealing strips, diaphragms, membranes, valves, hydraulic and electrical clamp blocks

PACKING AND STORAGE

SiSiB[®] FSE9200 fluorosilicone is supplied in 25 kg 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.