

# PRODUCT DATASHEET | PSSRG-250

## RAIL GRADE SILICONE SPONGE



PREMSIL  
PREMIUM SILICONE

PremSil PSSRG-250 is our closed cell silicone sponge designed specifically for the rail & mass transport industries, with low compression set, low smoke/toxicity and flame retardant properties. PSSRG-250 is **EN45545-2 R22/R23** compliant and maintains the benefits of extreme temperature stability, making it a fantastic choice of material for a range of applications.

### FEATURES:

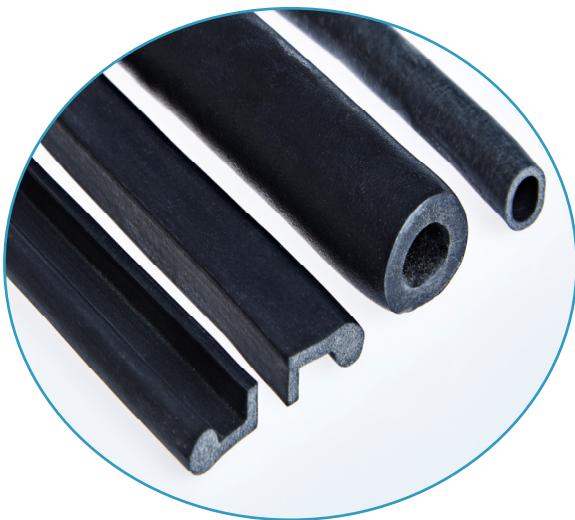
- Flame retardant
- Low smoke/Low toxicity
- Halogen free
- Temp. resistance -50°C to +200°C
- Low compression set
- Closed cell
- Environmental resistance for interior & exterior use

**SIZES:** Standard profiles available from 2mm to 75mm.

Bespoke profiles may differ depending on shape.

**OPTIONS:** Available as sheets, sections, tubes, cord, bespoke profiles, gaskets, O-rings. Self-Adhesive backing optional. Black or Grey colour.

**APPLICATIONS:** Interior door seals, lighting gaskets, HVAC seals, smoke seals, gap fillers, vibration insulation, acoustic barriers, LCD gaskets, exterior door seals, exterior lighting seals, window seals



TECHNICAL DATA	VALUE	TEST
Appearance	Black/Grey	-
Density	250kg/m <sup>3</sup> (±50)	ASTM D1056
Compression force deflection @ 25% strain	45 kPa	ASTM D1056
Compression force deflection @40% strain	100 kPa	BSENISO 3386 pt 1, 2
Compression set @ 100°C, 22 hrs	<5%	ASTM D1056
Water absorption	<5%	ASTM D1056
Limited Oxygen Index	36.5%	ISO 4589-2
Temperature range	-50°C min +200°C max	

All testing undertaken on 10mm thick samples. Samples post cured for 30 mins at 150°C and post cured for 4 hours at 220°C.

Compression set and density may vary depending upon product size and thickness.

Size tolerance to ISO 3302-1: 2014

Please note our information is based on lab tested samples.

Technical data is provided in good faith, but without warranty. End users should check to ensure our products are suitable for their intended use.

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