

# Low Combustion Hazard Solid Silicone Elastomer Sheeting



**Also described as:** Low Smoke, Low Toxicity - Flame Retardant

Specifically developed for use in the mass transit industry and other safety conscious industries.

The grade has been tested to and complies with:

EN 45545 2: HL3 for R1, R7, R22 and R23. BS 6853 Category 1. NF F 16-101 L2, F0.

## Meets:

Flame Retardant: FAR 25 (Horizontal).

These products are capable of meeting UL94 V0 for products >3 mm.

Automotive Standard: FMVSS302.

## Temperature Range:

-60°C (-76°F) to 230°C (446°F).

## Environmental Resistance:

Silicone rubber products have an excellent resistance to ozone, UV and weather resistant

## Availability:

- Sheets and rolls - widths up to 1.2m
- Pressure sensitive adhesive backing
- Die-cut gaskets and flexible sealing solutions
- Colour: Grey and White

PROPERTY	UNITS	TYPICAL VALUE	TEST METHOD
Hardness	Shore A (±5)	70	ISO 48-4
Tensile Strength	MPa psi	10.2 1480	ISO 37 type 2
Elongation to Failure	%	320	ISO 37 type 2
Compression Set 24 hours @175°C	%	20	ISO 815 type B
Compression Set 22 hours @350°F	%	20	ASTM D395 method B type 2

TEST	RESULT	STANDARD
Brittle Point	-80°C (-112 °F)	ASTM D746
Limiting Oxygen Index	24%	BS 2782 Part 1
Thermal Conductivity	6.4x10 <sup>-2</sup> W.m <sup>-1</sup> .K <sup>-1</sup>	BS 874 Part 2
Radiation Resistance	>10 <sup>5</sup> Grays (10 <sup>7</sup> Rads) typical	-

**Dimensional Tolerances:** are typically class 3 as standard, unless otherwise stated. Class 2 and Class 1 tolerances on request, in most instances.

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