

Flame Retardant Solid Silicone Elastomer Sheet - UL94V-0

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



Specifically developed for use in industries such as Rail & Mass Transit, Automotive/EV, Electronics, Aerospace, Marine and MOD. It has a long service life compared to other elastomers.

The grade has been tested to and complies with:
EN 45545-2 | UL94V-0 (>2mm) | NFPA-130.

Also meets:

FMVSS302

Temperature Range:

-60°C (-76°F) to 230°C (446°F) - up to 250°C (482°F) intermittent.

Environmental Resistance:

Silicone rubber products have an excellent resistance to ozone, oxidation, ultraviolet light, corona discharge, cosmic radiation, ionising radiation and weathering in general.

Availability:

- Supplied in rolls 1.2m x10m
- Pressure sensitive adhesive backing
- Custom cut gaskets and static seals
- Colour: Grey
- Extrusions, Cords, Profiles, Tubes

TEST	RESULT	STANDARD
Brittle Point	-80°C (-112 °F)	ASTM D746
Limiting Oxygen Index	43%	ISO 4589-2
Thermal Conductivity	0.24 W.m ⁻¹ .K ⁻¹	VDE 0304
Radiation Resistance	>10 ⁵ Grays (10 ⁷ Rads) typical	-

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 (ASTM D412)
Elongation to Failure	%	320	ISO 37 type 2 (ASTM D412)
Tear Strength	N/mm	19	ASTM D624 die B
Compression Set 24 hours @150°C	%	20	ISO 815 type B

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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