

SOLID SILICONE SHEET FLAME RETARDANT

DESCRIPTION

Formulated to provide flame and smoke protection Mass Transit, Automotive/EV, Electronics and Aerospace applications.

Ideal for use as die-cut gasket and static seals.

CHARACTERISTICS

Temperature range: -60°C to 230°C.

Environmental resistance: Ozone, UV, and weather resistant.

Flame retardant: UL94V0, FAR 25/JAR 25.

Long life service vs other elastomers.

ACCREDITATIONS

UL94V0 – UL94 Vertical Burn Flammability Test

EN45545-2 (HL3) – European Railway Standard for Fire Safety

FMVSS 302 – Federal Motor Vehicle Safety Standard

FAR 25 (Vertical) – Flame test for Aerospace Applications

NFPA 130 – US Standard for Transit and Passenger Rail Systems

AVAILABILITY

Sheets and Rolls

Standard width: 1.2m

Pressure sensitive adhesive backing (PSA)

Standard Colour: Grey

Extrusions: Cords, Profiles, Tubes

THICKNESS (mm)	WIDTH (mm)	LENGTH (m)
2.0mm – 6.0mm	1200mm	10m
>6.0mm – 12. mm	1200mm	10m

MECHANICAL PROPERTIES	TEST	VALUE
Hardness [Shore A]	ISO 48-4	70
Elongation [%]	ISO 37 type 1	320
Tensile Strength [MPa]	ISO 37 type 1	10.2
Tear Strength [N/mm]	ASTM D634 die B	19
Compression set - 24hrs recovery, 24hr at 150°C [%]	ISO 815 type B	20

GENERAL CHARACTERISTICS	TEST	VALUE
Brittle Point	ASTM D746	-80°C
Limiting Oxygen Index	ISO 4589-2	43%
Thermal conductivity	VDE 0304	0.24 W/m*K
Radiation Resistance	-	>10 ⁵ Grays