

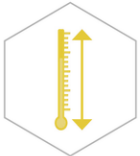
# Sponge Sheeting

Formulated for use in extreme temperature applications and where environmental resistance is needed.

This range is ideal for die-cut gaskets and flexible sealing solutions.



## BENEFITS



### Temperature range

-60°C to 230°C  
(-76°F to 446°F)



### Environmental resistance

Ozone, UV and weather resistant



### Flame retardant

UL94HB  
FAR 25/JAR 25



### Long life service

vs  
other elastomers

## AVAILABILITY

Sheets and Rolls  
Widths up to 1m (39")  
Pressure Sensitive Adhesive (PSA)  
Standard Colours: White, Black, Red Iron Oxide (RIO)

## ACCREDITATIONS

**UK94HB**

UL94 Horizontal Burn  
Flammability Test  
(Not Listed)

**FMVSS 302**

Federal Motor Vehicle  
Safety Standard

**FAR 25  
(Horizontal)**

Flame Test for Aerospace  
Applications

**WRAS  
Approved  
N° - 1810553**

Water Regulations  
Advisory Scheme

Capable of meeting: ASTM D1056 2A2; ASTM 6576 Grades B & C

# Sponge Sheeting

## MECHANICAL PROPERTIES

Property	Units	Typical Value	Test Method
Density (*Measured on 25mm cord sample)	kg/m <sup>3</sup> (lb/ft <sup>3</sup> )	235 (14.6)	ISO 845 (ASTM D1056)
Hardness	Shore OO (Sh A)	40 (5)	ASTM D2240
Compression Force Deflection 40%	KPa	80	ISO 3386
Compression Force Deflection 25%	psi	5.0	ASTM D1056
Tensile Strength	MPa (psi)	0.6 (87)	ISO 1798 (ASTM D412)
Elongation	%	145	ISO 1798 (ASTM D412)
Compression Set 50%, 24hrs recovery, 22hrs @ 70°C	%	6	ISO 1856
Compression Set 50%, 24hrs recovery, 22hrs @ 100°C	%	12	ASTM D1056
Water Absorption	%	<5	ASTM D1056

## STANDARD CAPABILITIES \*Other sizes available on request

Thickness mm (inches)	Width mm (inches)	Length m (ft)
1.5mm - 12mm (0.059" - 0.472")	1000mm (39")	10m (33ft)
>12mm - 15mm (>0.472" - 0.590")	1000mm (39")	5m (16.5ft)
>15mm - 45mm (>0.590 - 1.77")	1000mm (39")	1m (3.2ft)

## GENERAL CHARACTERISTICS

Test	Typical Value	Standard
Brittle Point	-80°C (112°F)	ASTM D746
Limiting Oxygen Index	24%	BS 2782 Part 1
Thermal Conductivity	0.070 W.m-1.K-1	BS 874 Part 2
Radiation Resistance	>10 <sup>5</sup> Grays (10 <sup>7</sup> Rads) typical	