

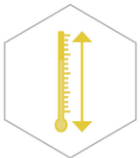
# Solid Silicone Sheeting

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

Standard Width: 1.2m (48")

Pressure Sensitive Adhesive (PSA)

Standard Colours: Trans, Red Iron Oxide (RIO), Black, White, Blue

Colour match available

## ACCREDITATIONS

**FDA  
Approved**

Food & Drug  
Administration

**BfR XV  
Empfehlung**

German Regulation for  
Food Contact Materials

**EC  
1935/2004**

EU Regulation for Food  
Contact Materials

**WRAS  
Approved  
N° - 2011**

Water Regulations  
Advisory Scheme

### Other accreditations:

FAR 25/ JAR25/ CS 25 Appendix F, Part 1, (a)(1)(iv) & (a)(1)(v) horizontal flammability tests & Automotive Standard Part 571FMVSS302

# Solid Silicone Sheeting

## MECHANICAL PROPERTIES

Property	Units	Typical Value	Test Method
Hardness	Shore A	60	ISO 48-4
Tensile Strength	MPa (psi)	10 (1450)	ISO 37 type 2 (ASTM D412)
Elongation to Failure	%	400	ISO 37 type 2 (ASTM D412)
Tear Strength	N/mm (lb/in)	22 (125)	ASTM D624 die B
Compression Set - 24 hours @ 150°C	%	13	ISO 815 type B
Compression Set - 22 hours @ 300°F	%	10	ASTM D395 method B type 2

## STANDARD CAPABILITIES \*Other sizes available on request

Thickness mm (inches)	Width mm (inches)	Length m (ft)
0.3mm - 6.0mm (0.019" - 0.236")	1200mm (48")	10m (33ft)
>6.0mm - 15.0mm (>0.236" - 0.590")	1200mm (48")	5m (16.5ft)
>15.0mm - 20.0mm (>0.590" - 0.787")	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	0.24 W.m-1.K-1	VDE 0304
Radiation Resistance	>10s Grays (107 Rads) typical	