

Technical Data Sheet

Silicone Rubber

CHEMICAL DESCRIPTION:

Polysiloxane, PMQ, VMQ

PHYSICAL PROPERTIES

TENSILE STRENGTH:

7 MPa Min.

COMPRESSION SET:

30% Max.

24 Hours @ 150°C

ELONGATION AT BREAK:

280% Min.

THERMAL CONDUCTIVITY :

0.24 W.m⁻¹.K⁻¹ (VDE 0304)

HARDNESS RANGE:

60° Sh. A +/- 5 ° Sh.

TEMPERATURE RANGE:

-60° - +230° C Continuous, +250° C Intermittent

OZONE RESISTANCE:

Excellent

RESILIENCE:

Poor

CHEMICAL RESISTANCE

WATER:

Good

ACIDS:

Poor

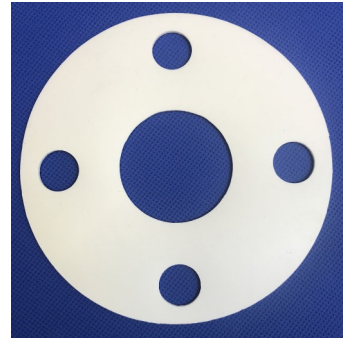
DRY HEAT:

Excellent

Silicone is unique when compared with other synthetic rubbers, in so much as its molecular chain does not contain carbon. Instead it contains alternating atoms of silicon (Si) and oxygen. This combination is called polysiloxane. This unique feature contributes to many of its outstanding performance characteristics.

Silicone rubber is physiologically inert, thus making it the preferred choice of the medical, pharmaceutical and food processing industries.

All W.C. Munsch (SI60 Grade) silicone sheets conform to BS: EN: 2260: 1995, FDA REGULATIONS FDA 21 CFR 177.2600, EC1935:2004 and are WRAS Approved. We carry silicone in various colours including White, Blue, Red & Translucent.



EC1935:2004



Complies with FDA Food Contact Regulation 21 CFR177-2600

ELASTOMERS



Certificate Number: 14352
ISO 9001



Care should be taken in selecting the most suitable quality for each application. Advice is available, but final responsibility remains with the customer.

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