

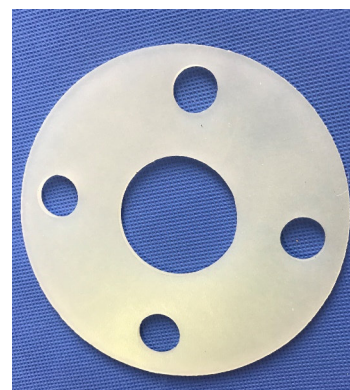
Technical Data Sheet

40 Sh. A Translucent Silicone Rubber

CHEMICAL DESCRIPTION: Polysiloxane, PMQ, VMQ

PHYSICAL PROPERTIES

| | |
|--------------------------------------|---|
| TENSILE STRENGTH: | 6 - 7 MPa Min. |
| COMPRESSION SET: 24 Hours @ 150°C | 35% Max. |
| ELONGATION AT BREAK: | 300% Min. |
| THERMAL CONDUCTIVITY : 0304) | 0.24 W.m ⁻¹ .K ⁻¹ (VDE |
| HARDNESS RANGE: | 40° 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 (SI40 Grade) silicone sheets conform to BS: EN: 2260: 1995, FDA REGULATIONS FDA 21 CFR 177.2600, EC-1935:2004 and are WRAS Approved. This grade is 40 Sh A to assist sealing at low pressure.



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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