

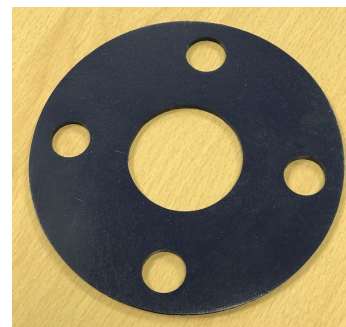
# Technical Data Sheet

## Blue Metal Detectable Silicone Rubber

**CHEMICAL DESCRIPTION:** Polysiloxane, PMQ, VMQ

### PHYSICAL PROPERTIES

TENSILE STRENGTH: 8 MPa  
 COMPRESSION SET: 11% Max.  
 24 Hours @ 150°C  
 ELONGATION TO FAILURE: 370% Min.  
 MAGNETIC PULL: 7.3mm (SEWI 700)  
 TEAR STRENGTH: 21 N/mm  
 HARDNESS RANGE: 60° Sh. A +/- 5 ° Sh.  
 TEMPERATURE RANGE: -60° - +200° 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.

This material has been tested to and is in compliance with the American Food and Drugs Administration (FDA) 21 CFR 177-2600 & Directive EC 1935/2004. These products meet the flammability requirements of FAR 25/JAR 25/CS 25 Appendix F, Part 1, (a)(1)(iv) and (a)(1)(v) horizontal flammability tests and Automotive Standard PART 571FMVSS302.

This grade is used predominantly in the food industry where magnets can detect the metal particles in the event of gasket failure.



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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