

Technical Data Sheet

Metal-Detectable Silicone Sponge (WCMSIL16MD)

POLYMER: Polysiloxane

TYPICAL PHYSICAL PROPERTIES

CELL STRUCTURE: Closed Cell
 DENSITY: 315 Kg/M³/19.7 Lb/ft³
 ELONGATION TO FAILURE: 214%
 TEMPERATURE RANGE: -60° - +230° C
 COMPRESSION SET: 6%
 MAGNETIC PULL: 5.7mm



RESISTANCE

OZONE: Good
 AIR & UV: Excellent
 OILS & FUELS: Poor
 FLAMMABILITY: Meets the flammability requirements of FAR 25/JAR25/CS 25 Appendix F, Part 1(a)(1)(iv) and (a)(1)(v) horizontal flammability test and automotive Standard Part 571FMVSS302.
 WATER ABSORPTION: Minimal (IP65)

Silicone rubber can be expanded into silicone sponge by using blowing agents. The resulting sponge has a fine non-interconnecting cell structure encapsulated by a soft, smooth, outer skin. Silicone sponge is an excellent sealing medium, due to its stable chemical structure and good recovery. It can be extruded into profiles and produced in sheet form. The profiles can be butt-joined or mitred to form continuous seals; the sheet can be cut into gaskets.

Food Applications:

Silicone sponge can be used in applications where it will not come into direct contact with foodstuffs. Thus it can be used as seals on food containers, food processing ovens, refrigeration seals and food handling equipment. However, we do not recommend that it be used in applications where it will be in direct contact with foodstuffs.

Metal Detectable:

This grade is designed to be picked up by metal detectors within the food/pharmaceutical industries if there is a breakdown of the seal. As all metal detection equipment varies we recommend it is tested on the designated equipment first.

SPONGE & FOAM



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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