

## Data Sheet

## Metal Detectable Silicone, EU1935: 2004 Compliant

|                    |                           |
|--------------------|---------------------------|
| Data Sheet Type    | Final                     |
| Material Reference | Metal Detectable Silicone |
| Polymer            | Food Grade Silicone       |
| Date Issued        | 24/07/24                  |



## Description

A high quality Silicone Rubber Sheeting containing additives which are visible to metal detector scanning equipment, ensuring that any particles contaminating the product can be easily identified.

Also available in moulded sheets with an Anti-Microbial additive for applications where both features are required.

This material is suitable for Seals and Gasket applications in the Food, Drink and Pharmaceutical Industries.

| Specifications                          | Values     | Test Methods |
|---|------------|--------------|
| Brittle Point                           | -80 °C     | None         |
| Colour                                  | Blue       | None         |
| Compression Set                         | 11 %       | ISO 815      |
| Dielectric Constant                     | 2.9        | VDE0303      |
| Dielectric Strength                     | 23 kv/mm   | VDE0303      |
| Elongation at Break                     | 370 %      | ASTM D412    |
| Highest Recommended Working Temperature | 200 °C     | None         |
| Intermittent Working Temperature        | 250 °C     | None         |
| Lowest Recommended Working Temperature  | -60 °C     | None         |
| Magnetic Pull                           | 7.3 mm     | None         |
| Shore Hardness (Shore A)                | 60 ° Shore | ASTM D2240   |
| Tear Strength                           | 21 N/mm    | ISO 815      |
| Tensile Strength                        | 8 MPA      | ASTM D412    |
| Thermal Conductivity                    | 0.24 W/m.K | VDE0304      |

## Purposes



Flame Retardent



Food Contact Suitability



High Working Temperature



Metal Detectable

**Important Notes about this Material Data Sheet**

This datasheet has been carefully compiled to advise you, our customer, in the best possible way. The information, figures, test values, and data correspond to actual engineering standards and are the result of many years of tests and trials. As individual operating conditions influence the application of each product, the information supplied in this datasheet can only be seen as a rough guideline. In every case it is the sole responsibility of the customer to evaluate his individual requirements, in particular whether the specified properties of our products are sufficient for the intended use. This datasheet is subject to alteration without prior notice. All mentioned values contained herein are guiding values representing long-term experience averages. Please be aware that Test Results for individual Material Batches will only be provided if requested at the time of order and may be subject to additional charges and/or lead times. This Data Sheet supersedes all previous data sheets and any other data previously provided either Verbally, Electronic or Written, with reference to the above Material Grade.