

Data Sheet

Metal Detectable Food Grade Viton

Data Sheet Type	Final
Material Reference	Metal Detectable Food Grade Viton
Polymer	FKM(>68% Flourine)
Date Issued	03/01/25



Description

A high performance FoodSafe material that helps pharmaceutical and food manufacturers to reduce the risk of product contamination by early detection and containment of contamination. The material is electrically conductive so fragments as small as 2mm can be identified by in-line metal detection and X-ray equipment.

The material is certified to meet the requirements of FDA CFR21 Section 177.2600 and EU1935, and is Animal Derived Ingredients (ADI) Free.

Available as moulded sheets, extrusions and moulded seals.

Specifications	Values	Test Methods
Compression Set	10 %	ASTM D395 Method B
Elongation at Break	277 %	ASTM D412
Highest Recommended Working Temperature	200 °C	None
Lowest Recommended Working Temperature	-15 °C	None
Modulus @ 100%	4.2 MPA	ASTM D412
Shore Hardness (Shore A)	70 ° Shore	ASTM D2240
Tensile Strength	10.5 MPA	ASTM D412

Purposes



Chemical Resistant



High Working Temperature



Metal Detectable



Oil Resistance

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.