

Data Sheet

OP21572 70 Shore Nitrile(NBR) Rubber for Transformer Oil

Data Sheet Type Final

Material Reference OP21572

Polymer NBR

Date Issued 19/04/25



Description

A specialised European Manufactured Nitrile Rubber Sheetting at 70° Shore hard, specifically designed for use with Transformer Oil. This NBR Rubber sheet boasts an excellent operating temperature with low temperature resistance of -40 C.

Specifications	Values	Test Methods
Accelerated Ageing - Change in Elongation at Break (168 Hours @ 70°C)	-30 %	BS903 Part A19 Method A
Accelerated Ageing - Change in Tensile Strength (168 Hours @ 70&degC)	-20 %	BS903 Part A19 Method A
Compression Set	40 % 70hrs@ 100 ° C	UNE ISO 34-1
Density	1.3 g/cc	None
Elongation at Break	> 300 %	ASTM D412
Highest Recommended Working Temperature	130 °C	None
IRM Oil 903 Change in Elongation at Break(72 Hrs@100°C)	-40 %	ASTM D471
IRM Oil 903 Change in Tensile(72 Hrs@100C)	-20 %	ASTM D471
Lowest Recommended Working Temperature	-40 °C	None
Oil Swell IRM901	-20 to +5 %	None
Oil Swell IRM903	+/-5 %	None
Shore Hardness(IRHD)	70 ° Shore	BS903 Part A26 Method N
Tear Resistance	> 20 N/mm	ASTM D624 Die C
Tensile Strength	13 MPA	ASTM D412

Purposes



Acid Resistance



Low Working Temperature



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.