

Data Sheet

EN682:2002 Nitrile Rubber

Data Sheet Type	Final
Material Reference	EN682
Polymer	NBR
Date Issued	21/12/24



Description

A Nitrile elastomer based Rubber Sheeting specially designed for gaskets seals used in pipes and fittings to carry gas and hydrocarbon fluids. This material meets the technical requirements of BS EN 682:2002.

This materials is available as Rubber Rolls, Cut Sheets and Uncured Compound.

Specifications	Values	Test Methods
Accelerated Ageing - Change in Elongation at Break (168 Hours @ 70°C)	+5 %	ISO 188
Accelerated Ageing - Change in Tensile Strength (168 Hours @ 70&degC)	+5 %	ISO 188
Accelerated Ageing - Change in Hardness (168 Hours @ 70°C)	+2 %	ISO 188
Colour	Black	None
Compression Set (ISO815)	10 %	ISO 815
Elongation at Break	250 %	ISO 37
Highest Recommended Working Temperature	100 °C	None
Lowest Recommended Working Temperature	-25 °C	None
Oil Resistance	-10 % Fuel B	ISO 1817
Oil Swell IRM903	+10 %	ISO 1817
Shore Hardness (Shore A)	70 - 75 IRHD	ISO 48
Specific Gravity	1.19 g/cm 3	ISO 2781
Tensile Strength	20 MPA	ISO 37

Purposes



Low Gas Permeability



Petrol Resistance



Wear Resistant

### **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.