MacLellan
Polymers to Industry

Data Sheet	0733 Nitrile(NBR)
Data Sheet Type	Final
Material Reference	0733
Polymer	NBR
Date Issued	24/11/26

Description

0733 Nitrile(NBR) Rubber Sheeting is a premium, high polymer content material for applications requiring best performance against Oils with excellent resistance to swell and superior mechanical characteristics.

This material is often manufactured with a Milliken Insertion to further enhance the tear resistance and burst strength, especially in high pressure applications.

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)	+10 %	BS903 Part A19 Method A
Accelerated Ageing - Change in Hardness (168 Hours @ 70°C)	+2 ° Shore	BS903 Part A19 Method A
Elongation at Break	600 %	ASTM D412
Highest Recommended Working Temperature	90 °C	None
Lowest Recommended Working Temperature	-20 °C	None
Oil Swell IRM901	5 %	None
Shore Hardness(IRHD)	65 ° Shore	BS903 Part A26 Method N
Specific Gravity	1.32 g/cm 3	ASTM D2240
Superficial Resistivity	3·10 EXP 12 Ohm	None
Tear Resistance	25 N/mm	ASTM D624 Die C
Tensile Strength	15 MPA	ASTM D412
Transversal Resistivity	2.5·10 EXP 9 Ohm·cm	None

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.