Logo

Data Sheet	0700 Hydrogenated Nitrile (HNBR) 70Shore Rubber Sheeting
Data Sheet Type	Final
Material Reference	0700
Polymer	HNBR
Date Issued	01/06/26

Description

Hydrogenated Nitrile (HNBR) is superior to normal Nitrile (NBR), achieved through saturating the Butadiene with Hydrogen. This makes the Rubber Sheeting more resistant to Oils & Gasses (including Sour Gas), improves its physical properties and increases the working temperature range

Specifications	Values	Test Methods
Available from Stock	Yes	None
Colour	Black	None
Elongation at Break	200 % Minimum	ASTM D412
Highest Recommended Working Temperature	150 °C Maximum	None
Lowest Recommended Working Temperature	-30 °C Minimum	None
Shore Hardness (Shore A)	70 ° Shore +5 / -5 °	ASTM D2240
Specific Gravity	1.3 g/cm 3 +/-0.05	ASTM D2240
Tensile Strength	15 MPA Minimum	ASTM D412

Purposes

Chemical Resistant

High Working Temperature

Low Gas Permeability

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.