

Data Sheet

OP28474 Nitrile(NBR) Coated Nylon Diaphragm Sheet Rubber

Data Sheet Type	Final
Material Reference	OP28474
Polymer	NBR
Date Issued	11/12/24



Description

This Nitrile(NBR) Nylon Diaphragm Sheet Rubber is a Coated Fabric Sheet suitable for use with LPG & CNG, Compressed Air, Methane, Pentane, Propane, Aliphatic Hydrocarbons. Also suitable for Mineral & Silicone Oils. Whilst no formal approval has been given, internal testing, has proved this material to conform to BS EN 549:1995 - rubber material for seals & diaphragms for gas appliances and gas equipment.

Specifications	Values	Test Methods
Colour	Black	None
Elongation @ Break - Warp	> 20 %	UNI EN ISO 1421
Elongation @ Break - Weft	> 20 %	UNI EN ISO 1421
Fabric Characteristics	100% Nylon 210	None
Fabric Weight	110 g/m <sup>2</sup>	UNI 5114
Highest Recommended Working Temperature	90 °C	None
Hydrostatic Burst Test	580 PSI Mullen Burst Test	None
Lowest Recommended Working Temperature	-30 °C	None
Shore Hardness (Shore A)	70 ° Shore	UNI EN ISO 868
Specific Gravity	1.3 g/cm <sup>3</sup>	UNI 4818-4
Total Weight	1050 g/m <sup>2</sup>	UNI EN ISO 2286-2
Warp	> 1100 N/50mm	UNI EN ISO 1421
Weft	> 1100 N/50mm	UNI EN ISO 1421

Purposes



Low Gas Permeability

### **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.