

Data Sheet

OP33542 Nitrile(NBR) Nylon Diaphragm Sheet Rubber Uncured

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| Data Sheet Type    | Final  |
| Material Reference | OP33542<br>Nitrile(NBR) Nylon<br>Diaphragm Sheet<br>Rubber Uncured |
| Polymer            | NBR  |
| Date Issued        | 30/10/24   |



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.

The material is supplied Uncured for manufacture of moulded Diaphragms and for fabrication of expansion bellows and inflatable seals. Typical roll size is 50mtr x 1.66mtr wide.

| Specifications                          | Values                     | Test Methods    |
|---|----------------------------|-----------------|
| Adhesion (Bond Strength)                | 7 N/mm Min                 | None            |
| Coat Material                           | NBR                        | None            |
| Coat Weight Per Side                    | 118 / 117 g/m <sup>2</sup> | None            |
| Coated Fabric Weight                    | 85 g/m <sup>2</sup>        | None            |
| Fabric Weight                           | 85 g/m <sup>2</sup>        | UNI 5114        |
| Highest Recommended Working Temperature | 90 °C                      | None            |
| Lowest Recommended Working Temperature  | -30 °C                     | None            |
| Mullen Burst                            | 2000 Kpa                   | None            |
| Thickness                               | 0.28 0- .38 mm             | None            |
| Warp                                    | 1100 N/50mm                | UNI EN ISO 1421 |
| Weft                                    | 1100 N/50mm                | UNI EN ISO 1421 |

Purposes



Oil Resistance



Tear 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.