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## **NBR NITRILE / NYLON** **DIAPHRAGM SHEET RUBBER**

Our NBR Nitrile / Nylon Diaphragm sheet rubber is made using Nylon to reinforce black NBR Nitrile rubber, designed to give sustained performance and longevity.

This insertion sheet has an operational working temperature of -20°C to +100°C and is suitable for a usage in a range of instances including where LPG and CNG, mineral oils, water and compressed air are present.

### **NBR Nitrile / NBR Diaphragm Sheet Specifications and Characteristics:**

#### **Elastomer Characteristics:**

**Colour:** Black  
**Elastomer:** NBR Nitrile Rubber  
**Hardness:** 70° Shore A (+/- 5°)  
**Specific Gravity:** 1.30 g/cm<sup>3</sup>

#### **Fabric Characteristics:**

**Fabric:** PA 210 (235dTEX)  
**Weight:** 110 g/m<sup>2</sup> (+/-5)  
**Thickness:** 0.20mm (+/- 0.01)  
**No. of Threads:** 19 x 19 / cm



### Coated Fabric Characteristics:

**Thickness:** 0.65mm (+/- 0.07) - test method; UNI EN ISO 2286-3

**Weight:** 700 g/m<sup>2</sup> (+/-10%) - test method; UNI EN ISO 2286-2

**Tensile Strength:**

Warp: ≥ 1000 N/5cm - test method; UNI EN ISO 1421

Weft: ≥ 1000 N/5cm - test method; UNI EN ISO 1421

**Elongation at Break:**

Warp: ≥ 20% - test method; UNI EN ISO 1421

Weft: ≥ 20% - test method; UNI EN ISO 1421

**Adhesion:** ≥ 20 N/cm

**Temperature range:** -20°C to +100°C

Suitable for LPG and CNG, mineral oils, water and compressed air.