



Nitrile GBA Technical Datasheet

Description

Nitrile (GBA) is a high performance Nitrile (NBR) sheet specifically manufactured to meet the requirements of BS EN 682:2002. The material has improved resistance against gas and hydrocarbon fluids compared to standard grades, as well as good tensile strength and flexibility.

Application

Nitrile (GBA) seals are employed in pipes and fittings carrying gas and hydrocarbon fluids. The material is used within a variety of industries including automotive, transportation, aerospace, military and heating.

Typical Physical Properties

Polymer		NBR
Density (SG)	ISO 2781	1.19g/cm ³
Hardness	ISO 48	70 - 75° Shore A
Ageing (Elongation)	ISO 188	+5%
Ageing (Tensile)	ISO 188	+5%
Ageing (Hardness)	ISO 188	+2°
Tensile Strength	ISO 37	20 MPa
Oil Resistance	ISO 1817	-10% Fuel B
Oil Swell IRM093	ISO 1817	+10%
Compression Set	ISO 815	10%
Elongation at Break	ISO 815	250%
Temperature Range		-25 to 100°C
Pressure		24 Bar Maximum

Note:

The above pressure rating is dependent on the operating temperature, and does not apply at the maximum temperature



Availability

Thickness	0.5mm to 25mm
Roll Width	1400mm
Roll Length	10m (0.5mm to 6mm thick) 5m (8mm to 25mm thick)
Specification	BS EN 682:2002
Colour	Black

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