

Our Nitrile Rubber Sheet is a premium grade of Nitrile rubber. This type of industrial rubber sheet is often chosen for making gaskets and seals that will be used with oils, fuels or greases. Nitrile Rubber effectively seals these fluids and does not breakdown.

In addition to those mentioned before, Nitrile Rubber also has excellent resistance to LPG, mineral oils and many different kinds of grease. It is a popular choice for making gaskets and seals for automotive applications and is also widely used in industry.

Black Nitrile Rubber Sheet has generally good physical properties including mechanical strength. It will tolerate a large amount of elongation (400%) before breaking and has excellent tear strength (40 N/mm). Temperature can be an issue with Nitrile rubber and it should not be exposed to anything outside of its listed range of -25°C to +90°C.

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Applications

- Making oil and fuels seals for automotive applications.
- Manufacturing Nitrile Camlock washers.
- For making flexible strips, pads or linings to protect metal surfaces.
- Lining or pads for insulating and isolating metals and other types of materials.
- Insulating and sealing strips.
- For lining tanks storing oils or fuels such as petrol, diesel or LPG.
- Lining pipelines transferring fuels or oils.
- The manufacture of flange gaskets for pipes and tanks.
- Oil and fuel seals for the marine sector.
- Oil resistant rubber skirts.
- For the manufacture of isolation barriers for various types of equipment.

Important

The values listed here and the information presented should not be treated as a substitute for specific technical advice. We cannot warrant the products performance or suitability for particular applications.

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Technical Details

Property	Value	Test Standard
Colour	Black	
Polymer	NBR	
Hardness (Durometer)	65 (±5) Shore A	ASTM D2240
Temperature Range	-25°C to 90°C	
Specific Gravity	1.2 g/cm ³	ASTM D297
Tensile Strength	15 MPa	ASTM D412
Elongation at Break	400% (min.)	ASTM D412
Tear Strength	40 N / mm (min.)	ASTM D624
Abrasion	275mm ³ (max.) @ 5N	ASTM D5963
Compression Set	30%	ASTM D395 B
Volume Change 70°C for 72 Hours	Oil # 1: -3% Oil # 2: +5% Oil # 3: +9%	ASTM D471

Available Sizes, Forms and Styles

Our Black Nitrile Rubber is available from Swift Supplies by the lineal metre in the thicknesses listed below. Rolls are 1200mm Wide.

Standard Thicknesses

- 0.8mm
- 1.5mm
- 3mm
- 4.5mm
- 6mm
- 9mm

Pieces, Cut Strips, Custom Sizes and Special Requests

We're always happy to help with special requirements. If the size you require for your project isn't listed here please do reach out to us. We'll do our very best to help in any way we can.

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