TECHNICAL DATA SHEET

Queensland Gaskets

NITRILE DIAPHRAGM | RUBBER SHEET

70 Duro | Fuel & Oil Resistant | Nylon Reinforced | Nitrile Rubber



Nitrile Diaphragm Rubber Sheet is a black, premium grade 70 Duro Nitrile rubber which is reinforced with a tear and flex resistant Nylon fabric. It has excellent mechanical strength and is flexible and has petroleum based fuel and oil resistance, including petrol, diesel and LPG. It is also resistant to mineral oils, greases and gas permeability.The specially designed Nylon fabric reinforcement gives Nitrile Diaphragm Rubber superior tear strength and dimensional stability under constant flexing, making it suitable for critical sealing and diaphragm applications.

TECHNICAL INFORMATION

Polymer	NBR	
Reinforcement	Nylon	
Colour	Black	
Specific Gravity	1.30	ASTM D297
Hardness	70° ± 5° Shore A	ASTM D2240
Tensile Strength	13 MPa (min)	ASTM D412
Elongation @ Break	500% (min)	ASTM D412
Temperature Range	-40°C to +100°C	

APPLICATIONS

Nitrile Diaphragm Rubber Sheet has been designed primarily for use as a sealing diaphragm material in pumps, valves, gas control equipment and carburettors.

It can also be used as a flexible strip, pad or gasket for critical sealing, insulating and isolating applications.

AVAILABLE SIZES

STANDARD THICKNESS	0.8mm (± 0.08mm), 1.5mm (± 0.15mm)
STANDARD ROLL SIZE	1400mm x 10mtrs

Cut lengths, strips and custom shapes are available upon request

Contact us to discuss requirements and place your order 07 3277 3922

All information and data quoted has been provided by our suppliers and is based upon years of experience in the production and operation of sealing elements. This data may not be used to support any warranty claims. With its publication this latest edition supersedes all previous issues and is subject to change without further notice.