

# Technical Data Sheet

## Nitrile Diaphragm Rubber Sheet

**Features:** Shuk Nitrile Diaphragm Rubber Sheet is a black premium grade, 60 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 and 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.

**Applications:** Shuk 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

- Flange gaskets on pipes and tanks
- Lining of pipes and tanks
- Transfer and joining sleeves
- Loading socks
- Insulating strip
- Isolation barriers
- Vacuum forming blankets
- Variety of sealing applications

**Dimensions:**

GMNITDI0.4	0.4mm Thick
GMNITDI0.5	0.5mm Thick
GMNITDI0.8	0.8mm Thick
GMNITDI1.5	1.5mm Thick
GMNITDI3.2	3.2mm Thick

**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 at Break	500% (min)	ASTM D412
Temperature Range	-40 °C to +100 °C	