



Nitrile (Commercial) Technical Datasheet

Description

Nitrile (Commercial) is an economic grade of Nitrile (NBR) manufactured from a blend of NBR and SBR. Typically used as cost effective gasket or seal for general purpose applications.

Application

Nitrile (Commercial) has some resistance to oils, greases and other petroleum based products. It is not suitable for contact with aromatic hydrocarbons. The material is designed for medium range applications such as low pressure flange gaskets, cover gaskets and oil seals.

Typical Physical Properties

Polymer		NBR/SBR
Density (SG)	ASTM D2240	1.5g/cm ³ (+/-0.05)
Hardness	ASTM D2240	65° Shore A (+/-5)
Tensile Strength	ASTM D412	3 MPa
Compression Set	ASTM D395 B	35% (22hrs @ 70°)
Elongation at Break	ASTM D412	250%
Max. Temperature	Intermittent	90°C
Max. Temperature	Continuous	70°C
Min. Temperature	Continuous	-20°C



Availability

Thickness	0.5mm to 25mm
Roll Width	1400mm
Roll Length	10m (0.5mm to 6mm thick) 5m (8mm to 25mm thick)
Hardness	Other shore hardnesses available
Colour	Black

As the company's products are used in multiple applications and as the company has no control over the method of their use, the company excludes all conditions or warranties, expressed or implied by statute or otherwise. Any technical co-operation is given for customers assistance only and with liability on the part of the company.