

Food-grade seals

Material description

Material based on nitrile-butadiene rubber, with very good resistance to oil, petrol & grease and very good tensile elongation characteristics. Standard temperature resistance from approx. -30 °C to approx. +100 °C. The material meets FDA requirements for contact with fatty and liquid foodstuffs. NBR possesses moderate resistance to weathering and ozone.

Typical applications

Seals that comply with requirements for food contact

Main markets

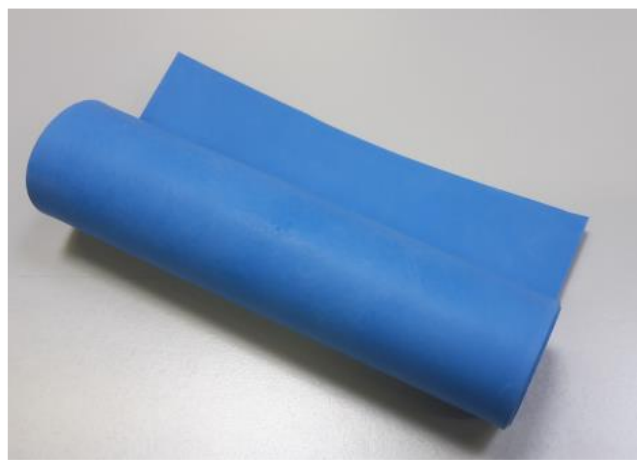
Automobile industry, machine and equipment manufacturing, hydraulics, pneumatics & electrical industries.

Certificate

SGS test report no. 297 8007, Version 1, 21.06.2016

Technical data

Property	Unit	Value	Test standard
Elastomer basis		NBR	ISO 1629
Colour		blue	
Hardness	Shore A	50 +/- 5	ISO 48/DIN 53 505
Tensile strength at break	N/mm ²	> 10	ISO 37/DIN 53 504
Elongation at break	%	> 600	ISO 37/DIN 53 504
Tear strength	N/mm	> 7	ISO 34-1 Method B/DIN 53 515
Compression set 22hrs / 70 °C / 25%	%	< 35	DIN ISO 815



NBR 50 Shore A, FDA compliant

Product form

This NBR membrane is available in standard rolls 1000 mm wide.

Available thicknesses

0.5 mm, 1.0 mm, 1.5 mm, 2 mm, 3 mm

Others available on request

All values given are average values and do not represent minimum or maximum values. Users must test suitability for their specific application.