



NITRILE SHEETING: STANDARD LEVEL QUALITY

FEATURES

Standard NBR.

ADVANTAGES

- Good resistance to hydrocarbons
- Good ratio quality/price

BENEFITS

- Reliability Economy

APPLICATIONS

Gaskets or washers cutting and manufacturing of pieces for general purpose applications in contact with oils and hydrocarbons (swelling in IRM 903, 70 hours at 100°C, Δ volume ≤-30%).

No resistance to petrol, oxygenated fuel, domestic gas.

Typical physical properties

		Measured characteristics	Standard	Value
MECHANICAL				
		<i>Rubber compound - black</i>		NBR
	<i>Density</i>			1.35 ± 0.05 g/cm ³
	<i>Hardness</i>	ASTM D2240		65 ± 5 Shore A
	<i>Tensile strength</i>	ISO 37		≥ 5 MPa
	<i>Elongation at break</i>	ISO 37		≥ 300 %
	<i>Tear resistance</i>	ISO 34-1		≥ 17 N/mm
	<i>Compression set after 22 h at 70 °C</i>	ISO 815-1		≤ 40 %
	<i>Compression set after 22 h at 100 °C</i>	ISO 815-1		≤ 60 %
TEMPERATURE				
	<i>Working temperature</i>			- 25/+ 90 °C
OIL RESISTANCE	Oil IRM 903, Δ volume after 70 h at 100°C	ASTM D471		≤ 30 %
CHEMICAL RESISTANCE				
<i>Diluted acids and bases</i>		<i>Concentrated acids and bases</i>		<i>Ozone</i>
Very good		Good		Medium
				<i>Oils and hydrocarbons</i>
				Good

DIMENSIONS

Thickness (mm)		Width (mm)		Length (m)		Weight (kg/m ²)	Sides finish	Option (ply)
1	± 0.3	1400	± 2 %	20	± 2 %	1.50	2 smooth sides	
1.5	± 0.3	1400	± 2 %	15	± 2 %	2.25	2 smooth sides	
2	± 0.3	1400	± 2 %	15	± 2 %	3.00	2 smooth sides	1P
3	± 0.3	1400	± 2 %	10	± 2 %	4.50	2 smooth sides	1P
4	± 0.4	1400	± 2 %	10	± 2 %	6.00	2 smooth sides	2P
5	± 0.4	1400	± 2 %	10	± 2 %	7.50	2 smooth sides	2P
6	± 0.5	1400	± 2 %	10	± 2 %	9.00	2 smooth sides	
8	± 0.7	1400	± 2 %	5	± 2 %	12.00	2 smooth sides	
10	± 1.0	1400	± 2 %	5	± 2 %	15.00	2 smooth sides	
12	± 1.0	1400	± 2 %	5	± 2 %	18.00	2 smooth sides	
15	± 1.0	1400	± 2 %	5	± 2 %	22.50	2 smooth sides	
20	± 1.4	1400	± 2 %	5	± 2 %	30.00	2 smooth sides	

IDENTIFICATION

Branding	Without. Thickness ≤ 6 mm rolled on cardboard tube Ø 80 mm. Thickness > 6 mm in roll.
Wrapping	Black polyethylene film.
Labelling	Self-adhesive label indicating product name, dimensions, area in m ² , nominal weight, and product code to allow product traceability.

Warranty exclusion

In view of the variety of different installation and operation conditions as well as application and process engineering options, the information given in this datasheet can only provide approximate guidance and cannot be used as basis for warranty claims.