

BF50 NBR



NITRILE SHEETING STANDARD LEVEL QUALITY

FEATURES

Standard NBR.

APPLICATIONS

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

No resistance to petrol, oxygenated fuel, domestic gas.

ADVANTAGES

- † Good resistance to hydrocarbons
- † Good ratio quality/price

BENEFITS

- † Reliability
- † Economy

MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics		Standard	Value	
MECHANICAL				
Rubber compound - black			NBR	I
Density			1.35 ±0.05	g/cm ³
Hardness	ASTM D2240		65 ±5	Shore A
Tensile strength	ISO 37		≥5	MPa
Elongation at break	ISO 37		≥300	%
Tear resistance	ISO 34-1		≥17	N/mm
Compression set after 22h at 70 °C	ISO 815-1		≤40	%
Compression set after 22h at 100 °C	ISO 815-1		≤60	%

TEMPERATURE

Working temperature		-25/+90	°C
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OIL RESISTANCE


Oil IRM 903, Δ volume after 70h at 100 °C	ISO 1817	≤30	%
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CHEMICAL RESISTANCE

Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons
Very good	Good	Medium	Good

IDENTIFICATION

Branding	Without.
Packaging	Thickness ≤6mm rolled on cardboard tube Ø 80mm. Thickness >6mm 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.

NBR	NITRILE SHEETING	BF50			
THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m ²	SIDES FINISH	OPTION (ply)
1±0.2	1400±2%	20±2%	1.5	2 SMOOTH SIDES	
1.5±0.25	1400±2%	15±2%	2.25	2 SMOOTH SIDES	
2±0.3	1400±2%	15±2%	3	2 SMOOTH SIDES	1P
2±0.3	1400±2%	15±2%	3	2 SMOOTH SIDES	
3±0.3	1400±2%	10±2%	4.5	2 SMOOTH SIDES	1P
3±0.3	1400±2%	10±2%	4.5	2 SMOOTH SIDES	
4±0.4	1400±2%	10±2%	6	2 SMOOTH SIDES	2P
4±0.4	1400±2%	10±2%	6	2 SMOOTH SIDES	
5±0.4	1400±2%	10±2%	7.5	2 SMOOTH SIDES	
5±0.4	1400±2%	10±2%	7.5	2 SMOOTH SIDES	2P
6±0.5	1400±2%	10±2%	9	2 SMOOTH SIDES	
8±0.7	1400±2%	5±2%	12	2 SMOOTH SIDES	
10±1.0	1400±2%	5±2%	15	2 SMOOTH SIDES	
12±1.0	1400±2%	5±2%	18	2 SMOOTH SIDES	
15±1.0	1400±2%	5±2%	22.5	2 SMOOTH SIDES	
20±1.4	1400±2%	5±2%	30	2 SMOOTH SIDES	