



# 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 ≤30%).

No resistance to petrol, oxygenated fuel, domestic gas.

### ADVANTAGES

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


### BENEFITS

- † Reliability
- † Economy

### MECHANICAL, PHYSICAL AND CHEMICAL PROPERTIES

Measured characteristics		Standard	Value	
<b>MECHANICAL</b>				
Rubber compound - black			NBR	I
	Density		1.35 ±0.05	g/cm <sup>3</sup>
	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	%
<b>TEMPERATURE</b>				
	Working temperature		-25/+90	°C
<b>OIL RESISTANCE</b>				
	Oil IRM 901, Δ volume after 70h at 70 °C	ISO 1817	<5	%
	Oil IRM 903, Δ volume after 70h at 70 °C	ISO 1817	≤30	%
<b>CHEMICAL RESISTANCE</b>				
Diluted acids and bases	Concentrated acids and bases	Ozone	Oils and hydrocarbons	
Very good	Good	Medium	Good	
<b>IDENTIFICATION</b>				
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 m2, nominal weight, and product code to allow product traceability.			

Unless typographical error, information and figures of our technical datasheet are based on our experience and laboratory tests according to international standards. This data is intended to be used as a guideline only. Material performance depends on the conditions of use and the final application.

NBR	NITRILE SHEETING	BF50			
THICKNESS mm	WIDTH mm	LENGTH m	WEIGHT kg/m <sup>2</sup>	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	

