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	
MECHANICAL			
Rubber compound - black		NBR	
Density		1.35 ±0.05	g/cm³
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
OIL RESISTANCE			
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	%

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 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/m²	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	

TRELLEBORG