

Nitrile Rubber Sheets

By [Nitrile Rubber Sheets](#) - www.dongrubber.com, sales@dongrubber.com

[Nitrile Rubber Sheets](#) (abbr. NBR, B200000 Rubber) is a copolymer of butadiene and acrylonitrile. It has moderate aging properties and good adhesion to metal. Nitrile Rubber displays good general resistance to oil together with good mechanical properties especially tensile strength, compression set, flexing and impermeability to gases.

Application:

Nitrile rubber has a good resistance to inorganic chemical products. It gives satisfactory resistance to general hydrocarbons. Some of the grades are also recommended for good grade application. Due to its polar nature, nitrile rubber is not recommended in the use with polar liquids like ketones.

Specification:

NITRILE RUBBER SHEET: BLACK (100% NITRILE)							
Model	Specific Gravity	Hardness (±5)	Tensile Strength	Elongation at break	Tear Strength	Compression Set at 70°C for 22 hrs	Working Temp.
	g / cm ³	Shore A	(min) kg / cm ²	(min) %	kg / cm	%	°C Range
NBR1121	1.12	40	70	500	30	35	-35+100
NBR1351	1.35	65	100	350	25	30	-30+110

SPECIAL NITRILE RUBBER SHEET: BLACK (100% NBR)						
Model	Specific Gravity	Hardness (±5)	Tensile Strength	Elongation at break	Compression Set at 70°C for 22 hrs	Working Temp.
	g / cm ³	Shore A	(min) kg / cm ²	(min) %	%	°C Range
SNBR1201	1.20	40(+5-4)	70	600	40	-30+100
SNBR1202	1.20	50(+5-4)	77	450	40	-30+100
SNBR1203	1.20	60(-5-4)	84	400	40	-30+100
SNBR1251	1.25	70(+5-4)	126	250	35	-30+100
SNBR1301	1.30	80(+5-4)	126	250	35	-30+100

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COMMERCIAL NITRILE RUBBER SHEET: BLACK							
Model	Specific Gravity	Hardness (±5)	Tensile Strength	Elongation at break	Tear Strength	Compression Set at 70°C for 22 hrs	Working Temp.
	g / cm ³	Shore A	(min) kg / cm ²	(min) %	kg / cm	%	°C Range
NBR1501	1.50	50	70	300	18	30	-30/100
NBR1451	1.45	70	50	300	18	40	-30/90

NITRILE RUBBER SHEET: DIFFERENT COLORS							
Model	Specific Gravity	Hardness (±5)	Tensile Strength	Elongation at break	Tear Strength	Compression Set at 70°C for 22 hrs	Working Temp.
	g / cm ³	Shore A	(min) kg / cm ²	(min) %	kg / cm	%	°C Range
NBR1251	1.25	45	50	500	15	40	30/110
NBR1401	1.40	60	60	350	18	40	-35/110
NBR1402	1.40	65	80	400	20	40	-35/110

Standard Length	10 Mtr	10,000mm	33ft	11 yard
Standard Width	1.2 / 1.4 / 1.5 mtr	1200 / 1400 / 1500mm	4 / 4.6 / 4.92ft	1.33 / 1.53 / 1.64 yard
Standard Thickness	1 - 50 mm		1/32" - 2"	
Colors				