

Nitrile Rubber Sheets

Nitrile rubber or acrylonitrile butadiene rubber is a copolymer of butadiene and acrylonitrile. It has good general resistance to oil along with good mechanical properties especially tensile strength, flexing, compression set and impermeability to gases. It has moderate aging properties and good adhesion to metal. Its recommended operating temperature range is -30°C to +120°C. It also displays a good resistance to inorganic chemical products except antioxidant agents and chlorine. It gives satisfactory resistance to general hydrocarbons. Due to its polar nature, we do not recommend its use with polar liquids like ketones, ethers and amines.

NITRILE RUBBER : BLACK (100% NITRILE)

Code	Specific Gravity	Hardness (+/-5)	Tensile Strength	Elongation at break	Tear Strength	Compression Set 700 C for 22 hrs	Working Temp.
	g/cm ³	Shore A	(min) kg/cm ²	(min) %	Kg/cm	%	°C
NBR 40	1.12	40	70	500	30	35	-35+100
NBR 65	1.25	65	100	300	50	25	-30+110
NBR 70	1.40	70	85	300	45	35	-30+110

SPECIAL NITRILE RUBBER : BLACK (100% NBR)

Code	Specific Gravity	Hardness (+/-5)	Tensile Strength	Elongation at break	Compression Set 700 C for 22 hrs	Working Temp.
	g/cm ³	Shore A	(min) kg/cm ²	(min) %	%	°C
BS 2751 / BA 40	1.20	40(+5-4)	70	600	40	-30+100
BS 2751 / BA 50	1.20	50(+5-4)	77	450	40	-30+100
BS 2751 / BA 60	1.20	60(+5-4)	84	400	40	-30+100
BS 2751 / BA 70	1.25	70(+5-4)	126	250	35	-30+100
BS 2751 / BA 80	1.30	80(+5-4)	126	250	35	-30+100