

Technical Data Sheet

Nitrile Rubber BS2751 BA50

CHEMICAL DESCRIPTION:

Acrylonitrile Butadiene, Nitrile Butadiene Rubber (NBR)

PHYSICAL PROPERTIES

TENSILE STRENGTH:	8.5 MPa (Min)
ELONGATION AT BREAK:	425%
HARDNESS RANGE:	50° Sh. A +/- 5°
HEAT RESISTANCE:	-30° - + 100°C
SPECIFIC GRAVITY:	1.2 +/-0.02
COMPRESSION SET:	35%
22 Hours @ 70°C	



CHEMICAL RESISTANCE

WATER:	Good to Excellent	
DILUTE ACIDS & BASES:	Good	
ALKALIS:	Good to Excellent	
OZONE:	Poor	
HYDROCARBONS:	Moderate	
SOLVENTS:	Moderate	
VOLUME SWELLING:	ASTM 5 Inc. Vol Oil %	IRM903 Inc. Vol. Oil %
70 HOURS @ 70°C	10	30

This is a British Standard Nitrile Rubber to BS2751. Using a recognised standard ensures that the material will always comply to it no matter who the manufacturer is.

This ensures continuity of operation which can vary if non-standard materials are used.

ELASTOMERS



Certificate Number: 14352
ISO 9001



Care should be taken in selecting the most suitable quality for each application. Advice is available, but final responsibility remains with the customer.

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