

Technical Data Sheet

Nitrile Rubber BS2751 BA70

CHEMICAL DESCRIPTION: Acrylonitrile Butadiene, Nitrile Butadiene Rubber (NBR)

PHYSICAL PROPERTIES

TENSILE STRENGTH: 13 MPa (Min)

ELONGATION AT BREAK: 350%

HARDNESS RANGE: 70° Sh. A +/- 5°

HEAT RESISTANCE: -30° - + 110°C

SPECIFIC GRAVITY: 1.28 +/-0.02

COMPRESSION SET: 30%

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 5

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.



UK GASKET & SEALING ASSOCIATION 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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