



# **Technical Data Sheet**

## Nitrile Rubber BS2751 BA40

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

### **PHYSICAL PROPERTIES**

TENSILE STRENGTH: 7 MPa (Min)

ELONGATION AT BREAK: 600%

ABRASION RESISTANCE: 175mm<sup>3</sup>

HEAT RESISTANCE: -30° - + 110°C

SPECIFIC GRAVITY: 1.3 +/-0.02

HARDNESS RANGE: 40° Sh. A +/- 5°

#### **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.





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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