

Technical Data Sheet

Natural Rubber (BS1154 Z50)

CHEMICAL DESCRIPTION: Polyisoprene

PHYSICAL PROPERTIES

TENSILE STRENGTH: 17.0 (MPa) Min.

SPECIFIC GRAVITY: 1.10

ELONGATION AT BREAK: 500% Min

COMPRESSION SET:
22 Hours @ 70° C 30% Max.

ABRASION RESISTANCE: Good

HARDNESS RANGE: 50° Sh. A (+ or - 5°)

TEMPERATURE RANGE: -40° - +80° C

OZONE RESISTANCE: Poor

RESILIENCE: Excellent

CHEMICAL RESISTANCE

WATER: Good to Excellent

ACIDS: Good

ALKALIS: Good

OILS: Poor

FUELS AND PETROLEUM SOLVENTS: Poor

KETONES: Fair



ELASTOMERS

Recommended for low to medium cost products where good resilience and toughness are prime considerations. Not recommended where resistance to heat or oils is required.

This is a British Standard Natural Rubber to BS1154. 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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