

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

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 Nitrile 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.

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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