

# NBR - NSF 61

## NITRILE BUTADIENE RUBBER

### SUBMITTAL INFORMATION

#### USE

NSF61/372 Certified.

Nitrile Butadiene Rubber, commonly known as NBR\* or Buna-N, is formulated for hydrocarbon service. It is used extensively in the petroleum industries, and in applications such as water, sewer, mineral oil, and vegetable oil. Romac products not recommended for pressurized air and gas applications.

Rubber Compounded Per: ASTM D 2000 MBK 710Z.

#### CHARACTERISTICS

Temperature Range:	-40°F to +180°F Continuous
Weathering:	Fair
Abrasion:	Good
Compression Set:	Good
Tearing:	Good

#### CHEMICAL RESISTANCE\*\*

Methane	Excellent
Water	Excellent
Sewer	Excellent
Carbon Dioxide	Excellent
Gasoline	Excellent

#### SPECIFICATIONS

##### ORIGINAL PHYSICAL PROPERTIES

ASTM D 412-92	
ASTM D 2240-91	
Tensile Strength, psi	1450
Elongation, %	250
Hardness, Duro A, pts	75 ±5

##### COMPRESSION SET

ASTM D 395, Method D, Solid	
22 hours at 212 °F (100°C)	50 % max

##### HEAT AGED PROPERTIES

ASTM D 573	
70 hours at 212°F (100°C)	
% change in Tensile Strength.	±30 max
% change in Elongation.	-50 max
Change in Hardness.	±15 points

\* NBR is equivalent to Rockwell (Smith-Blair) Grade 60 and Dresser Grade 42.

\*\* NBR is resistant to a wide variety of chemicals. For applications involving materials not listed, contact Romac Industries, Inc. Other gasket compounds are available from Romac for use where NBR is not suitable.

*This information is based on the best data available at the date printed above. Please check with Romac for any updates or changes.*



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