

NBR (FAB COUPLING) - 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 and natural gas industries, and in applications such as water, sewer, mineral oil, and vegetable oil.

Rubber Extrusion 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**

| | |
|----------------|-----------|
| Natural Gas | Excellent |
| Methane | Excellent |
| Ethane | 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 | 2000 |
| Elongation, % | 300 |
| Hardness, Duro A, pts | 75 ±5 |

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 |

COMPRESSION SET

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

* 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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