

N1173-70 Product Data Sheet

Oil & Gas applications

In conjunction with Parker Seals, this range of high performance materials for Oil & Gas meets the most challenging and demanding applications for aggressive chemicals, gas and high temperatures. These materials offer excellent chemical and thermal resistance and thermal stability under these extreme application conditions.

We provide our customers with the highest quality products and technical support on seal design, material recommendation, installation techniques and test analysis, specifically for the oil & gas market.

N1173-70 HNBR is a general purpose hydrogenated nitrile.

Basic Polymer: HNBR

Hardness: 70 +/- 5 Shore A

Temperature range: -31°C to +148°C

Colour: Black

Recommended for:

- Petroleum based hydraulic oils
- Water/glycol/steam
- Ozone, ageing and weather resistance
- Oils & greases made from petroleum or synthetic hydrocarbon base stock
- R-134a refrigerant

Original Physical Properties

Results

Original Physical Properties	Results
Hardness (Shore A)	74
Tensile Strength, MPa	22.8
Elongation, %, min.	206
Modulus @ 100% Elongation, MPa	9.1
25% Compressive Modulus, MPa	4.0

Products

- **O-rings**
- **Moulded shapes**

These results represent typical material properties and are not to be used for specification purposes. They are achieved under laboratory conditions and do not necessarily correspond to results measured on finished goods. It does not absolve the customer of the responsibility to make tests for their intended process or purpose. Ceetak Ltd makes no warranties and assumes no liability in connection with any use of this information.