

HN70C642 Product Data Sheet

Automotive applications

We have an extensive range of elastomeric materials to meet the increasing demands of all automotive applications; including transmission, braking, cooling, fuel, air and exhaust management and ancillary systems. Our materials comply to numerous industry standards and customer approvals, and as automotive technologies continue to evolve, in areas including bio fuels and additives such as AdBlue®.

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 automotive market.

HN70C642 is a hydrogenated nitrile with good fluid resistance and mechanical strength.

Basic Polymer: HNBR

Hardness: 70 +/- 5 Shore A

Temperature range: -35°C to +135°C

Colour: Black

Recommended for:

- Petroleum based oils & fuels
- Aliphatic hydrocarbons
- Vegetable oils
- Silicone oils & greases
- Ethylene glycol
- Dilute acids, bases & salt solutions to moderate temperatures
- Water & steam up to 150°C
- Approved to VW 2.8.2-S70 specification

Original Physical Properties	Results
Hardness (Shore A)	70
Tensile Strength, MPa	25.14
Elongation at break (%)	306
Modulus @ 100% Elongation (MPa)	5.88
Compression Set (22Hrs @ 150°C, %)	20.2
Specific Gravity (g/cm ³)	1.18

Products

- O-rings
- Bespoke mouldings
- Grommets
- Lip seals
- Gaskets
- Diaphragms
- Rotary/oil seals
- Bonded washers
- Composite seals

These results represent typical material properties. 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.