



# HNBR 70-compound HNBR 101 - Technical Data Sheet

## 1. Introduction

HNBR 70-compound HNBR 101 is a hydrogenated Nitrile compound of standard quality for use in the industry. This compound has good chemical and mechanical properties.

## 2. Product Description

Chemical Composition :

Physical form :

Colour :

Storage stability \* :

Hydrogenated Acrylonitrile / Butadiene  
Rubber  
O-Rings /  
Mouldings  
Black  
± 10 years

## 3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 868	70 ± 5 IRHD
Tensile Strength at break	ISO 37	24MPa
Elongation at break	ISO 37	348%
Compression Set	ISO 815	
70h/20°C		11,2%
70h/150°C		37,2%
Air Ageing 168h/150°C	ISO 188	
Tensile Strength Change		+9,3%
Elongation Change		-26,5%
Immersion in ASTM oil n°1, 168h/150°C	ISO 1817	
Tensile Strength Change		+2,3%
Elongation Change		-3,9%

## 5. Chemical Resistance

Alkali : very good

Air : excellent

Alcohol : very good

Fats : excellent

Mineral oils : excellent

Silicone oils : excellent

Vegetable oils : excellent

Inorganic acids : excellent

Ketones : unsatisfactory

Ethers : unsatisfactory

Organic acids : fair

Ozone : excellent

## 4. Temperature Resistance

- -30° to +150°C
- TR10 (low temp. resistance): -20°C
- Short time up to 180°C

## 6. Advantages

- Good compression set
- Standard O-Ring compound

## 7. Other Information

- Good for steam up to 130°C