

HNBR 70-compound 88625 - Technical Data Sheet

1. Introduction

HNBR 70-compound 88625 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 :	Hydrogenated Acrylonitrile / Butadiene Rubber
Physical form :	O-Rings / Mouldings
Colour :	Black
Storage stability * :	± 10 years

* : Following ISO 2230 conditions

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%

4. Temperature Resistance

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

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

6. Advantages

- Good compression set
- Standard O-Ring compound

7. Other Information

- Good for steam up to 130°C