

NBR 70-compound 366001 - Technical Data Sheet

1. Introduction

NBR 70-compound 366001 is a Nitrile compound, designed for the contact with ozone and preserving the good NBR-quality in contact with oils.

2. Product Description

Chemical Composition	: Acrylonitrile / Butadiene Rubber
Physical form	: O-Rings / Mouldings
Colour	: Black
Storage stability *	: ± 7 years

* : Following ISO 2230 conditions

3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 48 Method M	70° ± 5° IRHD
Specific Weight	ISO 2781	1,25
Tensile Strength at break	ISO 37	12 MPa
Elongation at break	ISO 37	605%
Ozone resistance Concentration: 50pphm, 168h/40°C 20% stretch, 50% relative moist	ISO 1431	no cracks
Heat Ageing 70h/100°C Hardness Change	ISO 188	+5°
Immersion in ASTM oil n°1 70h/100°C Hardness Change Volume Change	ISO 1817	+9° -10%
Immersion in ASTM oil n°3 70h/100°C Hardness Change Volume Change	ISO 1817	+1° +1,9%

4. Temperature Resistance

- -30° to +100°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	: very good
Organic acids	: good
Ketones	: unsatisfactory
Ethers	: unsatisfactory
Ozone resistance	: very good

6. Advantages

- Ozone-resistant

7. Other Information

- Other colours available on request.

This information is, to the best of our knowledge, accurate and reliable to the date indicated. The above mentioned data have been obtained by tests we consider as reliable. We don't assure that the same results can be obtained in other laboratories, using different conditions by the preparation and evaluation of the samples.