

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	ISO 1431	
Concentration: 50pphm, 168h/40°C 20% stretch, 50% relative moist		no cracks
Heat Ageing 70h/100°C	ISO 188	
Hardness Change		+5°
Immersion in ASTM oil n°1 70h/100°C	ISO 1817	
Hardness Change		+9°
Volume Change		-10%
Immersion in ASTM oil n°3 70h/100°C	ISO 1817	
Hardness Change		+1°
Volume Change		+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.