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 restistance	:	very good

6. Advantages

- Ozone-resistant

7. Other Information

- Other colours available on request.