

NBR 70-compound 36624 - Technical Data Sheet

1. Introduction

NBR 70-compound 36624 is a Nitrile compound with medium percentage of acrylonitrile. Standard compound with good compression set values for contact with hydraulic fluids.

2. Product Description

Chemical Composition	: Acrylonitrile / Butadiene Rubber
Physical form	: O-Rings / Mouldings
Colour	: Black
Odour	: None
Storage stability *	: ± 7 years

* : Following ISO 2230 conditions

3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 48 Method M	70 ± 5 IRHD
Tensile Strength at break	ISO 37	min 13 MPa
Elongation at break	ISO 37	min 250%
Specific Weight	ISO 2781	1,25
Compression Set 25% compression - 22h/100°C on slab	ISO 815	max 12%
on O-Ring (3,53 mm)	ISO 815	max 20%
Heat Ageing 70h/100°C	ISO 188	
Hardness Change		max +6°
Volume Change		max -2,1%
Immersion in ASTM oil n° 3	ISO 1817	
Hardness Change		max -5°
Volume Change		max +9%
Weight Change		max +6%

4. Temperature Resistance

- -30° to +120°C
- TR10 (low temp. resistance): -22°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
Inorganic acids	: excellent

6. Advantages

- Good compression set
- Stock item for ca 12.000 dimensions
- Standard O-Ring compound
- good balance price/lifetime