

NBR 70-compound 36625 - Technical Data Sheet

1. Introduction

NBR 70-compound 36625 is a Nitrile compound with medium percentage of Acrylonitrile. Standard compound with good compression set values for contact with gasses and hydraulic fluids. Meets EN 549 H1 B3.



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 | ISO 815 | |
| 25% compression - 22h/100°C on slab | | 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
- good balance price/lifetime

7. Other Information

- Meets EN 549 H1 B3