

NBR 70-compound 366306 X-Ring - Technical Data Sheet

1. Introduction

NBR 70-compound 366306 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: X-Rings

Colour: Black

Storage stability * : ± 7 years

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 420% |
| Specific Weight | ISO 2781 | 1,16 |
| Compression Set | ISO 815 | |
| 25% compression - 70h/100°C | ISO 815 | 10% |
| Heat Ageing 70h/100°C | ISO 188 | |
| Hardness Change | | 0% |
| Volume Change | | 0% |
| Tensile Strength Change | ISO 37 | -14% |
| Immersion in ASTM oil n° 3 | ISO 1817 | |
| Hardness Change | | max 9° |
| Volume Change | | max 15% |
| Tensile Strength Change | | max -16% |

4. Temperature Resistance

• -30° to +120°C

Inorganic acids

• TR10 (low temp.): -16°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

excellent

6. Advantages

- Eriks low compression set high performance X-rings
- Good price/quality level

7. Other Information

- Can be produced in different colours.
- Can be produced in compliance with FDA.177.2600.



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.

^{*:} Following ISO 2230 conditions