

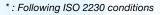
NBR 70-compound 366300 - Technical Data Sheet

1. Introduction

NBR 70-compound 366300 is a Buna N compound for gas apllications.

2. Product Description

| • | | |
|-----------------------|---|----------------------------------|
| Chemical Composition: | | Acrylonitrile / Butadiene Rubber |
| Physical form | : | O-Rings / Mouldings |
| Colour | : | Black |
| Odour | : | None |
| Storage stability * | : | ± 5 years |
| | | |



3. Physical Properties

| Test Method | Norm | Test Values |
|---|----------|--------------|
| Hardness | 1401111 | 70 ± 5 IRHD |
| | | |
| Specific Gravity | | 1,24 |
| Modulus | | 4,0 Mpa |
| Tensile Strength | | min 17,1 Mpa |
| Elongation | | 365% |
| A14 Heat Aged, 70h/100°C | ISO 188 | |
| Hardness Change | | +2 Pts |
| Tensile Strength Change | | +5,5% |
| Elongation Change | | -12,1% |
| B14 Compression Set | ISO 815 | 12,170 |
| Deflection | 100 010 | 8,3% |
| EO14 Immersion in ASTM oil No 1 | ISO 1817 | 0,070 |
| | 130 1017 | |
| 70h/100°C | | 0.00 |
| Hardness Change | | +8 Pts |
| Tensile Strength Change | | +3,4% |
| Elongation Change | | -12,2% |
| Volume Change | | -9,2% |
| EO34 Fluid Resistance IRM 903 70h/100°C | ISO 1817 | |
| Hardness Change | | -2 Pts |
| Tensile Strength Change | | +1,9% |
| Elongation Change | | -6,5% |
| Volume Change | | |
| | 100 0004 | +1,3% |
| Low Temperature TR10 | ISO 2921 | -35,4 |

4. Temperature Resistance

• -30° to +130°C

Inorganic acids

5. Chemical Resistance

Alkali : very good
Air : excellent
Alcohol : very good
Fats : excellent
Mineral oils : excellent
Silicone oils : excellent
Vegetable oils : excellent

: excellent

Ketones : unsatisfactory Ethers : unsatisfactory

Organic acids : fair Inorganic acids : excellent

6. Advantages

• For gas applications

7. Other Information

• In conformity with DVGW EN549 B2 H3



