

## NBR 75-compound 366302 Vulc-O-Ring - Technical Data Sheet

### 1. Introduction

NBR 75-compound 366302 is made of NBR (Acrylonitrile - Butadiene - Rubber) with medium percentage of ACN. Cure system is Peroxide. In conformity with FDA 177.2600 and 3A, class II.

### 2. Product Description

Chemical Composition :	Acrylonitrile / Butadiene Rubber
Physical form :	Mouldings / Vulc-O-Rings / Extrusions
Colour :	Black
Storage stability * :	7 years

\* : Following ISO 2230 conditions

### 3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 868	75 ± 5 IRHD
Specific Weight	ISO 2781	1,37
Tensile Strength at break	ISO 37	11,7 MPa
Elongation at break	ISO 37	379%
Compression Set 22h/100°C, on slab	ISO 815	19,5%
Heat Ageing, 70h/100°C	ISO 188	
Hardness Change		+3,3°
Tensile Strength Change		-0,7 MPa
Elongation Change		-16%
Weight Change		0,02 gr
Immersion in ASTM oil n°3, 7h/100°C	ISO 1817	
Hardness Change		-4°
Volume Change		+6,3%
Elongation Change		-41%
Tensile Strength Change		-4,8 MPa

### 4. Temperature Resistance

- -30° to +120°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

- Excellent resistance to aliphatic hydrocarbons, mineral oils, greases, vegetable and animal oils, heating oil and diesel fuel.
- FDA 177.2600 class 1, extraction tested.
- Certificates on demand.
- This compound is ADI (Animal Derived Ingredient Free).

### 7. Other Information on Vulc-O-Rings

- Tolerances standard on cross section to ISO 3302.
- Tolerances on O-Ring inside diameter according ISO 3302 up to diam. 160 mm. Bigger diameters tolerances ±0,5%.
- Smooth surface.
- Can be produced to ±0,05 mm tolerance in cross section.

