

## NBR 75-compound 366185 Vulc-O-Ring - Technical Data Sheet

### 1. Introduction

NBR 75-compound 366185 is made of NBR (Acrylonitrile - Butadiene - Rubber) with medium percentage of ACN. Cure system is sulphur.

### 2. Product Description

Chemical Composition :	Acrylonitrile / Butadiene Rubber
Physical form :	Extrusions / Mouldings / Vulc-O-Rings
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	1,275
Tensile Strength at break	ISO 37	19 MPa
Elongation at break	ISO 37	310%
Compression Set 22h/100°C, on slab	ISO 815	18% max
Heat Ageing, 70h/100°C Hardness Change	ISO 188	+4°
Tensile Strength Change		+1 MPa
Elongation Change		-23%
Immersion in ASTM oil n°3, 72h/100°C Hardness Change	ISO 1817	+1,5°
Volume Change		+2,3%
Elongation Change		+1%

### 4. Temperature Resistance

- -20° 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 oils, hydraulic fluids and most hydrocarbons
- Extremely good compression set

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

- Very smooth surface
- Can be produced to ±0,05 mm tolerances
- Tolerances on cross section according ISO 3302
- Tolerances O-Ring inside diameter according ISO 3302 up to diameter 160mm. Bigger diameters: tolerances ± 0,5%.

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.