

## 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	ISO 815	
22h/100°C, on slab		18% max
Heat Ageing, 70h/100°C	ISO 188	
Hardness Change		+4°
Tensile Strength Change		+1 MPa
Elongation Change		-23%
Immersion in ASTM oil n°3, 72h/100°C	ISO 1817	
Hardness Change		+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%.