

NBR 60-compound 366304 Vulc-O-Ring - Technical Data Sheet

1. Introduction

The ERIKS NBR 366304 compound is made of NBR (Acrylonitrile-Butadiene-Rubber) with medium ACN content.

2. Product Description

Chemical Composition :	Acrylonitrile/Butadiene Rubber, sulphur cured
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
Specific Weight	ISO 2781	1,26
Durometer Shore A (slab)	ISO 868	60 ± 5
Elongation	ISO 37	378%
Tensile Strength at break	ISO 37	11 MPa
Compression Set 22h/100°C, on slab	ISO 815	20%
Heat Ageing, 70h/100°C	ISO 188	
Hardness Change		+4°
Elongation Change		-19%
Tensile Strength Change		+1 MPa
Weight loss		0,13 g
Immersion in ASTM oil n°3, 70h/100°C	ISO 1817	
Volume Change		-0,8%
Hardness Change		+2,4°
Elongation Change		-19%
Tensile Strength Change		+0,53 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 (e.g. ropene, butane and petroleum), mineral oils, greases, vegetable and animal oils/greases, heating oil and diesel fuel.

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.