

### NBR 70-compound 366005 - Technical Data Sheet

#### 1. Introduction

NBR 70-compound 366005 is a Nitrile compound, designed for the automotive industry and in conformity with VW 2.8.1-A70.

#### 2. Product Description

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

\* : Following ISO 2230 conditions

#### 3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 868 SB	70° ± 5° IRHD
Specific Weight	ISO 2781	1,27
Tensile Strength at break	ISO 37	13 N/mm <sup>2</sup>
Elongation at break	ISO 37	300%
Compression Set	ISO 815 A	
70h/23°C		20%
48h/70°C		14%
48h/110°C		20%
Heat Ageing 48h/110°C	ISO 188	
Hardness Change		+8%
Immersion in FAM DIN 51604 2/B	ISO 1817	
48h/23°C		
Hardness Change		-17%
Volume Change		+36%
Immersion in Diesel, 48h/23°C	ISO 1817	
Hardness Change		-1%
Volume Change		+2%
Immersion in Biodiesel DIN 51606	ISO 1817	
48h/23°C		
Hardness Change		-3%
Volume Change		+3%

#### 4. Temperature Resistance

- -30° to +120°C
- TR10 (low temp. resistance): -15°C
- Cold resistance to DIN 53546: -31°C

Inorganic acids	: very good
Organic acids	: good
Ketones	: unsatisfactory
Ethers	: unsatisfactory

#### 5. Chemical Resistance

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

#### 6. Advantages

- Very low compression set
- In conformity with VW 2.8.1-A70 (up to 70°C)

#### 7. Other Information

- Other colours available on request.

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.