

NBR 70-compound 366006 - Technical Data Sheet

1. Introduction

NBR 70-compound 366006 is a Nitrile compound, designed for the automotive industry and in conformity with VW 2.8.1-C70.

2. Product Description

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

* : Following ISO 2230 conditions

Test Method	Norm	Test Values
Hardness	ISO 868	70° ± 5° Shore A
Specific Weight	ISO 2781	1,24
Tensile Strength at break	ISO 37	14 N/mm ²
Elongation at break	ISO 37	280%
Compression Set 25% compression, 70h/100°C on slab	ISO 815 A	15%
Heat Ageing 70h/110°C Hardness Change	ISO 188	+3°
Immersion in ASTM oil n°3 70h/100°C Hardness Change Volume Change	ISO 1817	+7% +9%
Immersion in Diesel, 46h/23°C Hardness Change Volume Change	ISO 1817	-3% +3%
Immersion in fuel, unleaded 70h/23°C Hardness Change Volume Change	ISO 1817	-14% +28%

4. Temperature Resistance

- -30° to +120°C
- TR10 (low temp. resistance): -26°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	: very good
Organic acids	: good
Ketones	: unsatisfactory
Ethers	: unsatisfactory

6. Advantages

- Very low compression set
- In conformity with VW 2.8.1-C70 (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.