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

3. Physical Properties

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 good compression set
- In conformity with VW 2.8.1-C70 (up to 70°C)

7. Other Information

- Other colours available on request.