

### NBR 70-compound 36626 - Technical Data Sheet

#### 1. Introduction

NBR 70-compound 36626 is a Nitrile compound following ASTM D2000, M2BG714 A14, B34, EA14, EO14, EO34, EF11, EF21, F17.

#### 2. Product Description

Chemical Composition	: Acrylonitrile / Butadiene Rubber
Physical form	: O-Rings / Mouldings
Colour	: Black
Odour	: None
Storage stability *	: ± 7 years

\* : Following ISO 2230 conditions

#### 3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 868	70° ± 5° IRHD
Tensile Strength at break	ISO 37	3419 psi
Elongation at break	ISO 37	332%
Specific Weight		1,171
Compression Set 25% compression - 22h/100°C on slab	ISO 815	7%
Heat Ageing 70h/100°C Hardness Change Tensile Strength Change Elongation Change Weight Change	ASTM D 573-A14	0° -14% -16% 0%
Water Resistance 70h/100°C Hardness Change Tensile Strength Change Elongation Change Volume Change	ISO 1817-EA14	-2 -10% -12% +4%
Immersion in ASTM oil n°1, 70h/100°C Hardness Change Tensile Strength Change Elongation Change Volume Change	ISO 1817-EO14	-1 -12% -12% -0,5%
Immersion in IRM 903 oil, 70h/100°C Hardness Change Tensile Strength Change Elongation Change Volume Change	ISO 1817-EO34	-9 -16% -13% +15%
Immersion in ASTM fuel A, 70h/23°C Hardness Change Tensile Strength Change Elongation Change Volume Change	ISO 1817-EF11	-3 -22% -15% +3%
Immersion in ASTM fuel 9, 70h/23°C Hardness Change Tensile Strength Change Elongation Change Volume Change	ISO 1817-EF21	-22 -58% -50% +35%

#### 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

- For gasoline, petroleum based hydraulic fluids, powersteering fluids, hydrocarbons.

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.