

### NBR 70-compound 366301 - Technical Data Sheet

#### 1. Introduction

The ERIKS NBR 70 366301 compound is a medium Nitrile compound for industrial use. It is the standard cord compound.

#### 2. Product Description

Chemical Composition : Acrylonitrile / Butadiene Rubber

Physical form : Cords / Extrusions

Colour : Black

Storage stability\* : ± 7 years

\* : Following ISO 2230 conditions

#### 3. Physical Properties

Test Method	Norm	Test Values
Hardness	ISO 48 Method M/2	70° ± 5° IRHD
Specific Weight	ISO 2781	1.27
Tensile Strength at break	ISO 37	11 MPa
Elongation at break	ISO 37	250%
Compression Set	ISO 815	
22h/100°C, on cord 3,53 m		35% max
Heat Ageing, 70h/100°C	ISO 188	
Hardness Change		+7°
Volume Change		-2,6%
Immersion in ASTM oil n°3, 70h/100°C	ISO 1817	
Hardness Change		+3°
Volume Change		-3%
Weight Change		-2,6%
Immersion in FAM B, 24h/23°C with drying during 24h at 100°C	ISO 1817	
Hardness Change		+7°
Volume Change		-16,5%
Weight Change		-13,1%

#### 4. Temperature Resistance

- -30° to +115°C
- TR10 (low temp): -22°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

- Tolerances to ISO 3302.

#### 7. Other Information

- Also ask for our high performance NBR 70 cord with E1 Tolerances.

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.