

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.