

## NBR 70-compound 366300 - Technical Data Sheet

### 1. Introduction

NBR 70-compound 366300 is a Buna N compound for gas applications.

### 2. Product Description

Chemical Composition :	Acrylonitrile / Butadiene Rubber
Physical form :	O-Rings / Mouldings
Colour :	Black
Odour :	None
Storage stability * :	± 5 years

\* : Following ISO 2230 conditions

### 3. Physical Properties

Test Method	Norm	Test Values
Hardness		70 ± 5 IRHD
Specific Gravity		1,24
Modulus		4,0 Mpa
Tensile Strength		min 17,1 Mpa
Elongation		365%
<b>A14 Heat Aged, 70h/100°C</b>	ISO 188	
Hardness Change		+2 Pts
Tensile Strength Change		+5,5%
Elongation Change		-12,1%
<b>B14 Compression Set</b>	ISO 815	
Deflection		8,3%
<b>EO14 Immersion in ASTM oil No 1 70h/100°C</b>	ISO 1817	
Hardness Change		+8 Pts
Tensile Strength Change		+3,4%
Elongation Change		-12,2%
Volume Change		-9,2%
<b>EO34 Fluid Resistance IRM 903 70h/100°C</b>	ISO 1817	
Hardness Change		-2 Pts
Tensile Strength Change		+1,9%
Elongation Change		-6,5%
Volume Change		+1,3%
Low Temperature TR10	ISO 2921	-35,4

### 4. Temperature Resistance

- -20° to +80°C (DVGW)

Ketones	: unsatisfactory
Ethers	: unsatisfactory
Organic acids	: fair
Inorganic acids	: excellent

### 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

### 6. Advantages

- For gas applications

### 7. Other Information

- In conformity with DVGW EN549 B2 H3

