

NBR 90 compound 366490 - Technical Data Sheet

1. Introduction

NBR 90-compound 366490 is a Nitrile compound with medium percentage of Acrylonitrile. In conformity with FDA 177.2600.

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 48 Method M	90 ± 5 IRHD
Tensile Strength at break	ISO 37	min 15,6 MPa
Elongation at break	ISO 37	min 136%
Specific Weight	ISO 2781	1,31
Compression Set 25% compression - 22h/100°C on slab	ISO 815	max 25%
Heat Ageing 70h/100°C Hardness Change	ISO 188	max +5°

4. Temperature Resistance

- -30° to +120°C
- TR10 (low temp. resistance): -16°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

- Can be produced in small quantities
- Migration tested in compliance with FDA 177.2600 class 1 (certificate on demand)

7. Other Information

- Compound formulated to FDA 177.2600 for aqueous and fatty foods (class 1)
- Produced with high purity furnace black (less than 10%)
- This compound is ADI (Animal Derived Ingredient Free).

