

NBR 70 Compound 366318

ERIKS' 366318 is a specialist grade nitrile compound suitable for food contact applications and has FDA 21 CFR 177.2600 and EC1935:2004 compliance.



Description

Chemical composition: Acrylonitrile-butadiene rubber (nitrile)

Physical form: Milk coupling rings, Moulded parts

Colour: Blue

Temperature resistance: -35°C to +110°C

Application

- Food contact

Compliances

- FDA 21 CFR 177.2600
- EC1935:2004
- ADI
- REACH
- ROHS

Additional information

- FDA 21 CFR 177.2600 extraction tested
- EC10/2011 migration tested

Please consult our [Chemical Resistance Guide](#) for more information on this compound.



Table 1: Physical properties

| Property | Test standard | Value | Unit |
|---|---------------|-------|------|
| Hardness | ISO 48 | 70±5 | IRHD |
| Elongation at break | ISO 37 | 380 | % |
| Tensile strength | ISO 37 | 11 | MPa |
| 100% Modulus | ISO 37 | 3.83 | MPa |
| Compression set – 24 hours at 100°C Slab | ISO 815 | 10.4 | % |

Table 2: Ageing properties

| Property | Test standard | Value | Unit |
|---|---------------|-------|------|
| Heat ageing – 70 hours at 100°C | ISO 188 | | |
| Hardness change | | +4 | IRHD |
| Elongation at break change | | -18 | % |
| Tensile strength change | | +5 | % |
| Immersion in water – 70 hours at 100°C | ISO 1817 | | |
| Hardness change | | 0 | IRHD |
| Elongation at break change | | -16 | % |
| Tensile strength change | | -12 | % |
| Volume change | | +2.5 | % |