



HNBR 70 Compound 886270

ERIKS' 886270 is a specialist grade hydrogenated nitrile compound developed for food contact and dairy applications. The compound has a medium percentage of acrylonitrile and a good compression set as well as EC1935:2004 compliance.

Description

Chemical composition: Hydrogenated NBR **Physical form**: O-rings, moulded parts

Colour: Yellow

Temperature resistance: -30°C to +150°C

Application

Food contact

Compliances

- EC1935:2004
- ADI free
- REACH
- RoHS

Additional information

■ EC 10/2011 migration tested

Please consult our <u>Chemical Resistance Guide</u> for more information on this compound.











Table 1: Physical properties

| Property | Test standard | Value | Unit |
|-------------------------------------|---------------|-------|---------|
| Hardness | ASTM D2240 | 74±5 | Shore A |
| Elongation at break | ASTM D412 | 303 | % |
| Tensile strength | ASTM D412 | 21.6 | MPa |
| 100% Modulus | ASTM D412 | 5.9 | MPa |
| Compression set – 24 hours at 150°C | ASTM D395 | | |
| Slab | | 25.1 | % |

Table 2: Ageing properties

| Property | Test standard | Value | Unit |
|---|---------------|-------------------------|------------------------|
| Heat ageing – 70 hours at 150°C Hardness change Elongation at break change Tensile strength change | ASTM D865 | +7 -14 -10 | Shore A % % |
| Immersion in ASTM oil #1 – 70 hours at 150°C Hardness change Elongation at break change Tensile strength change Volume change | ASTM D471 | +4 +5 -3 -1.9 | Shore A % % % |
| Immersion in ASTM oil #3 – 70 hours at 150°C Hardness change Elongation at break change Tensile strength change Volume change | ASTM D471 | -6 -7 -5 +14.1 | Shore A % % % |

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page 1/1