

HNBR 70-compound 886214 - Technical Data Sheet

1. Introduction

HNBR 70 Bio-Hygienic-compound 886214 is an anti-bacterial compound. Excellent water and steam resistant up to 150°C and resistant to vegetable and animal oils. Peroxide cured. Compliant to FDA 177.2600.



2. Product Description

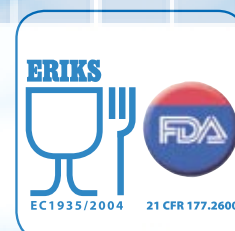
Chemical Composition :	HNBR - Acrylonitrile / Butadiene Rubber, peroxide cured
Physical form :	O-Rings / Mouldings
Colour :	red
Storage stability * :	± 10 years

* : Following ISO 2230 conditions



3. Physical Properties

Test Method	Norm	Test Values
Specific Weight		1,391 g/cm ³
Hardness	ISO 48M	69 Shore A
Tensile Strength at break	ISO 37	12 MPa
Elongation at break	ASTM D412-98a	571%
Compression Set on slab - 22h/150°C	ASTM D395-03, method B	23,8%
Heat Ageing 70h/150°C	ISO 188	
Hardness Change		+6°
Tensile Strength Change		+21%
Elongation Change		-16%
Weight Change		-3,5%
Immersion in ASTM oil n°3, 70h/150°C	ASTM D471-98	
Hardness Change		-10°
Tensile Strength Change		-7%
Elongation Change		-13%
Volume Change		+14,1%



4. Temperature Resistance

- 30° to +150°C

5. Applications

- Excellent water and steam resistant up to 150°C
- Resistant against vegetable and animal oils
- Antimicrobial activity during full lifetime



6. Other Information

- Material is in compliance with FDA 177.2600
- Typical composition results in a long-lasting broad spectrum anti-microbiological surface activity, without leakage of substances