

Antimicrobiological Elastoguard®-HNBR dairy sealing rings: THE SOLUTION FOR FOOD SAFETY

Problem

The growth of bacteria, fungi and yeast on and around rubber seals forms a substantial threat in food safety.

Solution

H-NBR-based rubber, which has been processed with Elastoguard®, a silver-based biocide.

Operation

- The bacteria or microbes make contact with the sealing ring,
 - The bacteria absorb the free silver ions on the surface of the sealing ring,
 - The silver ions destroy the bacteria/microbes by breaking down their cell walls.
- Advantages of Elastoguard®-HNBR
- The silver ions on the outside of the sealing rings remain active even after several washes
 - The silver ions are released in areas that are hard or impossible to access with classical detergents (e.g.: hairline cracks in the seals)
 - The Elastoguard® additive has been approved by a number of major institutions:
 - FDA: Food and Drug Administration
 - EPA: Environmental Protection Agency
 - FIFRA: Federal Insecticide, Fungicide and Rodenticide Act
 - EFSA: European Food Safety Agency
 - Temperature resistance: -35 to +150°C
 - Steam resistance to 150°C
 - Superior resistance to general oils and greases compared to NBR,
 - Superior aging resistance compared to NBR,
 - Optimal sealing properties,
 - Yellow colour to facilitate recognition,



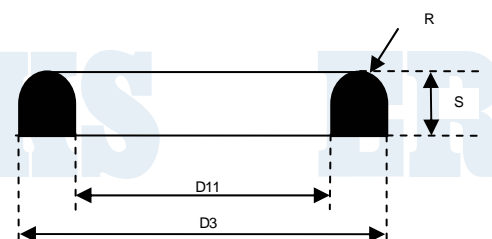
Elastoguard®-HNBR sealing rings for the dairy industry

Dimensions: according DIN 11851

Material: HNBR yellow (Other colours available upon request)

Pricing

NW	D11	D3	R	S	€/each.
10	12	20	2,3	4,5	1,41
15	18	26	2,3	4,5	1,55
20	23	33	2,8	4,5	1,81
25	30	40	2,8	5	1,98
32	36	46	2,8	5	2,24
40	42	52	2,8	5	2,38
50	54	64	2,8	5	2,63
65	71	81	2,8	5	3,24
80	85	95	2,8	5	3,63
100	104	114	2,8	6	4,27



ANTIMICROBIOLOGICAL ELASTOGUARD®-HNBR DAIRY SEALING RINGS: THE SOLUTION FOR FOOD SAFETY

Other sealants and properties

It is also possible to produce alternative types of sealants and/or qualities using Elastoguard® additive, e.g.:

- O-rings, moulded parts, clamping seals
- EPDM, Viton®, Silicone, NBR

Rubber profiles

We also produce customized rubber seals with identical microbicidal properties from 25 m using TPE (EPDM/PP).

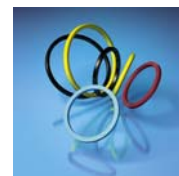
Applications

Profiles:

- Door seals for cooler and freezer cells,
- Tank lids,
- Seals for mixers and kneading machines,
- Door seals for hospitals,
- Seals for vibrating screens /vibrosieves in the pharmaceutical industry
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Elastoguard® is a brand from Milliken and Company

Viton® is a brand from DuPont performance Elastomers



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