

FDA High Performance Seals' Food & Dairy Compounds



FDA FOOD CONTACT

All compounds comply with the formulation requirements specified in the Code of Federal Regulations Title 21 Part 177 Section 177.2600 "Rubber Articles Intended for Repeated Use."

Dry Foods Only: RTD has over 64 different dry food formulated compounds in multiple different durometers and colors. See www.highperformanceseals.com/FDA for a full FDA compound list.

- C-7014: 70 durometer neoprene
- E-7010: 70 durometer EPDM, peroxide cured
- E-7014: 70 durometer EPDM
- E-7018: 70 durometer EPDM, internally lubricated
- E-7019: 70 durometer white EPDM
- E-7020: 70 durometer EPDM, NSF 61 peroxide cured
- E-7026: 70 durometer blue EPDM
- E-7030: 70 durometer purple EPDM
- E-7033: 70 durometer EPDM, high tear strength
- E-7039: 70 durometer purple EPDM, NSF 61
- F-7014: 75 durometer black Viton™
- FB-7014: 70 durometer brown Viton™
- FF-7014: 70 durometer Viton™

- N-7027: 70 durometer NBR, low compression set
- N-7041: 70 durometer white NBR
- N-7044: 70 durometer NBR, internally lubricated
- N-7046: 70 durometer NBR, high ACN content
- N-7051: 70 durometer red NBR
- S-7008: 70 durometer silicone, NSF 61

Dry and Aqueous Foods: Tested against FDA deionized water extraction requirements.

- E-7013: 70 durometer EPDM, NSF 61*
- N-7039: 70 durometer NBR, NSF 61*

All Food Contact Types (dry, aqueous, milk/edible oil and fatty foods): Tested against FDA extraction requirements in deionized water and n-Hexane.

- E-7042: 70 durometer grey EPDM
- F-7044: 75 durometer black Viton™
- F-7045: 75 durometer green Viton™
- N-7086: 70 durometer NBR
- S-7001: 70 durometer silicone*
- S-7004: 70 durometer silicone, NSF
- S-7020: 70 durometer translucent silicone

* Denotes a stocked compound

3-A SANITARY TESTED

High Performance Seals offers several compounds that have been tested against the 3-A Sanitary Specification 18-03, "3-A Sanitary Standards for Multiple-Use Rubber and Rubber-Like Materials Used as Product Contact Surfaces in Dairy Equipment."

The materials below are classified by maximum service temperature.

Max Service Temperature of 300°F

- F-7044: 75 durometer black Viton™, Class I - IV
- F-7045: 75 durometer green Viton™, Class I - IV
- N-7086: 70 durometer NBR, Class I - IV
- S-7020: 70 durometer clear silicone, Class I - IV

Max Service Temperature of 120°F

- E-7042: 70 durometer grey EPDM, Class III & IV

All of the above compounds are formulated to meet FDA food contact guidelines, including formulation requirements for milk and edible oil. In addition to testing against 3-A, all of these compounds have been tested against FDA deionized water and n-Hexane extraction requirements.



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Why Industry Leaders Rely on High Performance Seals

THE HIGHEST STANDARDS

There's no room for compromise when it comes to public health and safety. High Performance Seals meets and exceeds industry standards, and even when standards are voluntary, we hold ourselves to the highest demands.

A TRUSTED LEADER IN FOOD AND DAIRY

For decades High Performance Seals has been an industry forerunner in food & beverage, milk, water, food processing, plumbing, chemical processing and other markets where seals and custom rubber products are crucial.

WE'VE GOT WHAT YOU NEED

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