

FDA J Royal's 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: J Royal has over 64 different dry food formulated compounds in multiple different durometers and colors. See www.jroyal.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

J Royal 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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For over 60 years, J Royal has provided quality sealing solutions to a diverse group of markets. Our knowledgeable staff is highly regarded in the industry for its ability to consistently provide optimal design recommendations and its commitment to building long-standing, prosperous relationships. What sets J Royal apart is its broad product base, unbeatable product knowledge, extensive logistics and distribution capabilities, and progressive engineering skills, all supported by global resources.

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