



# High Performance Seals' NSF 51 Compounds\*

NSF International facilitates public health and safety by establishing standards and providing testing services for manufacturing materials that come in contact with both liquid and solid food products. NSF compliance standards are voluntary, however they have become the food manufacturing industry's standard for consumer health and safety.

In the food manufacturing and preparation industry, NSF\* 51 is one of the most important standards due to its focus on public safety. Dubbed, "The Public Health and Safety Organization," those products that comply receive guaranteed acceptance in North America and improved acceptance worldwide.

NSF standards apply to materials and coatings used in piping, seals, gaskets, valves and more. They must comply with strict criteria and meet rigid testing specifications for purity and hygienic safety for the public. High Performance Seals can work with you to source or design the perfect O-Ring or sealing component for your food manufacturing application.

In addition to NSF 51\*, these materials are also 3-A Sanitary listed and comply with 21CFR 177-2600, "Rubber Articles Intended for Repeated Use" (with food). For more information about NSF, or to check for recent additions to our NSF lineup, please visit [www.nsf.org](http://www.nsf.org), [www.highperformanceseals.com/materials](http://www.highperformanceseals.com/materials) or call our sales department at 877.796.0123.



## APPROVED FOOD CONTACT TYPES FOR HIGH PERFORMANCE SEALS NSF 51 COMPOUNDS\*

All Food Contact Types	Description
Alcohol Less Than 8% (AL<8)	Beer, malts, some wines, coolers, etc.
Alcohol Greater Than 8% (AL>8)	Hard liquor, some wines, champagne, etc.
Aqueous Acidic (AQ-AC)	Tomato and vinegar containing products; ketchup, pickles and pickled products, citrus fruits, juices, slush, and mixes.
Aqueous Non-Acidic (AQ-NAC)	Water containing products that are not considered acidic, alcohol, or dairy. Examples include water, ice, non-citrus juices, slushes, and mixes, most non-citrus fruits and vegetables.
Bakery Products with Free Fats and Oils on Surface (B-O)	Most fried or iced bakery products including pound cakes, many coffee cakes, doughnuts, chips, cakes, and pies.
Bakery Products with No Free Fats or Oils on Surface (B-0)	Crackers, most sandwich breads, bagels, etc.
Dairy, Oil in Water Emulsions (DY-OW)	Milk, whipped cream, some cheeses, processed cheese, cream, ice cream, etc.
Dairy, Water in Oil Emulsions (DY-WO)	Butter, margarine, some cheeses, etc.
Dry Solids (DS)	Dry cereal, rice, flour, sugar, noodles, dried fruit, etc.
Oils and Fats (Oil-Fat)	Foods containing a high percentage of fats or oils like vegetable oils and lard.

## NSF 51 COMPOUNDS\*

- EPDM: E-7042, gray
- NBR: N-7086, black
- Viton™: F-7044, black
- Viton™: F-7045, green
- Silicone: S-7015, clear
- Silicone: S-7021, clear

\*NSF/ANSI Standard 51 compounds manufactured by RT Dygert.



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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 SAFETY

High Performance Seals has been a trusted supplier to the food and beverage manufacturing, processing and preparation industry for decades. We carry the leading certifications required for sealing products that come in contact with solid and liquid foods. Trust High Performance Seals for hygienic, food safe products.

## WE'VE GOT WHAT YOU NEED

We source and stock the widest selection of seals from the finest manufacturers around the world. Our vendors are renowned for their engineering and quality programs and we have excellent, long term relationships with them. Even in periods of short supply, we can deliver. We can customize any seal precisely to your specifications.

## EXTENSIVE VALUE ADDED SERVICES

We provide JIT/Kanban programs, pre-production and kitting, special marking and packaging options and much more.

## FRIENDLY CUSTOMER SERVICE AND EXPERT ON-PREMISE SUPPORT

You're in the best circles with our customer service team. If you need expertise in any area, we've got it, including materials, design, prototyping, testing and more.



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