



COLONIAL SEAL COMPANY

Specialty Distributor of Custom Shaft Seals, Oil Seals, Hydraulic Seals and Specialty Seals
www.colonialseal.com

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FOR IMMEDIATE RELEASE

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Specialty Materials for Seals used in Medical and Food & Beverage Applications

Westville, NJ - Colonial Seal Co., the New Jersey based specialty distributor of [standard](#) and [custom sealing solutions](#) is pleased to announce their expanded capability includes a variety of specialized materials used in pharmaceutical processing equipment, medical devices, and food applications. “We ensure that the [specialty seals](#) we supply to pharmaceutical and medical equipment OEMs comply with FDA CFR 21.177, USP Class VI, 3-A Sanitary Standards and USDA Acceptance,” says Katrina Mackey, Product Specialist – Pharmaceutical, Colonial Seal Co. “Our seals are manufactured from a range of high performance elastomers and thermoplastics whose physical and chemical properties give them excellent operational characteristics. Our [specialty sealing solutions](#) are found in material handling equipment, process lines, filling machines, feeders and pressure vessels,” continued Ms. Mackey.

Colonial Seal Co. supplies specialty seals manufactured from PTFE, FPE and PFA resins that are routinely exposed to applications used in the processing of food or beverages. In applications involving extreme high temperatures or pressures, or requirements for excellent wear resistance in poorly lubricated conditions, then this type of sealing product is preferred. The varieties of PTFE seals include Virgin PTFE and FEP – fluorinated ethylene propylene seals. The range of Filled PTFE seals includes: Ekonol filled PTFE; Glass filled PTFE; and PTFE + PEEK combinations, depending on the application, temperature and pressure requirements.

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Other specialty sealing materials meeting FDA CFR 21 requirements include PEEK, for applications that require exceptional chemical and wear resistance, and PEI – a type of polyetherimide that has excellent solvent and flame retardant properties. EPDM is another elastomeric compound used in applications operating in wash down environments where alkali, and mild acidic and oxygenated solvents are typically used. Special Sulphur Cured EPDM seals and Peroxide Cured EPDM seals provide superior high temperature resistance. Over the years these materials and seal products have met and/or exceeded the demands of our pharmaceutical, medical process, and food processing customers.

The company also supplies metallic and non-metallic seals in food grade Viton®, Nitrile and Silicone Class VI materials. The seals may be supplied in unique colors(white, blue, red etc.) in order to aid in the detection of contamination. Viton® - FKM seals provide excellent resistance to Clean-in-Place(CIP) and Sterilize-in-Place(SIP) processes where the seals are exposed to steam or some type of caustic media. Specialty Nitrile seals are typically white in color and used in applications with a general temperature range of -25F to +240F. Colonial Seal Co. has also supplied FDA Grade Silicone seals that typically will not permeate foods with odor or taste. These silicone seals may also be produced with special compounds to increase heat resistance.

Contact Colonial Seal Co. at 1.800.564.2201 or email sales@colonialseal.com for more information on our specialty seals for the pharmaceutical, medical and food processing industry.

About Colonial Seal

Founded in 1994, Colonial Seal Co. is headquartered in Westville, New Jersey and is a specialty distributor of oil & grease seals, hydraulic seals, rotary shaft seals, rubber molded products and gaskets. The company is a Veteran Owned, Small Business Supplier to the US Government that specializes in FSC 5330 and provides part number, drawing number and NSN cross reference services. Colonial Seal's contract manufacturing

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facilities are ISO 9001:2000 certified, and the company is an Authorized Distributor of SKF, Timken, Hallite, National, Garlock Hydraulics and STEMCO.

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