

O-Rings.com

BY

BOYD

CORPORATION



MEDICAL

O-RINGS

One Company, Many Solutions

Leading medical manufacturers depend upon O-Rings.com by Boyd Corporation for specialized compounds and high performance sealing solutions.

Medical Grade Elastomers

FDA compliant O-Rings in stock in every standard size for nitrile, EPDM, silicone and Viton® elastomers. Boyd also offers compounds with base elastomers tested to USP Class VI requirements.

Specialized Compounds

More than 250 different rubber compounds are available, tested across a variety of special applications. Boyd can recommend or develop the best compounds for the most demanding sealing applications.

Cleanroom Manufacturing

Cleanroom manufacturing ranging from Class 100 to Class 100,000 is available for applications where cleanliness is critical.

Best Raw Materials

Dupont™, Bayer, 3M™ and Zeon Chemical base elastomers assure complete compliance to ASTM, FDA 177.2600, USP Class VI and other industry standards.

Custom O-Ring Sizes

If standard O-Rings are not the right fit for your application, Boyd's sales and technical teams can help determine the size you need for your unique design challenges. Prototypes and first articles can be made quickly for your evaluation.

Quality Systems

O-Rings ship from facilities with stringent quality management systems for consistent performance, traceability & trusted reliability. Rich industry experience means that our teams are well prepared to exceed your specialized quality requirements.

TS16949

ISO13485

AS9100C

ISO9001

ISO14001

Strategic Shipping Locations

Standard O-Rings are conveniently stocked regionally across the United States and can be shipped for low cost delivery to most North American locations in one to three days.

High Performance Medical Rubber Compounds



Boyd Corporation has a wide variety of standard and custom compounds for the medical device industry that meet industry standards and customer specific requirements.

Boyd's compounds are certified to standards like ASTM, FDA, NSF, KTW, WRAS, 3A Sanitary and USP Class VI requirements. We also collaborate with your teams to meet your custom test, validation and certification needs.

For the most demanding purity requirements, Boyd offers white and clear rubber seals that can be made in cleanroom facilities from Class 100 to Class 100,000. We can also provide internally lubricated compounds, like our proprietary UltraSlip™, ideal for low breakout friction in dynamic sealing applications.

Contact us today for standard O-Rings or to discuss the recommended compound design for your application needs!

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Compounds	Lead Time	Duro	Usage Temp	Typical Usage
N168-70 Black FDA Nitrile	Stock	70	-40F to +250F	Food & Water Service
N168-70/M Black FDA/3A Sanitary Nitrile	8 - 10 Weeks	70	-40F to +250F	Food, Water, Milk, Edible Oil Service
N161-70 Black NSF-61 Nitrile	8 - 10 Weeks	70	-40F to +250F	NSF-61 Water Service, Pool & Spa
N162-70 Black KTW Nitrile	8 - 10 Weeks	70	-40F to +250F	European Water Service
N163-70 Black WRAS Nitrile	8 - 10 Weeks	70	-40F to +250F	British / UK Water Service
N188-70 UltraSlip™ Nitrile & FDA Grade	8 - 10 Weeks	70	-40F to +250F	Internally Lubricated Nitrile
S500-70 Red Silicone & FDA Grade	Stock	70	-65F to +400F	Good Chemical & Temperature Resistance
S510-70 White FDA Silicone	8 - 10 Weeks	70	-65F to +400F	Purity, Broad Temp & Chemical Resistance
S561-70 Red NSF-61 Silicone	8 - 10 Weeks	70	-65F to +400F	NSF-61 Water Service, Pool & Spa
S567-70 Red High Temp FDA Silicone	8 - 10 Weeks	70	-65F to +572F	High Temp & Chemical Resistance
S568-70 Red 3A Sanitary FDA Silicone	3 Weeks	70	-65F to +400F	Food, Water, Milk, Edible Oil Service
S569-70 Clear USP Class VI Silicone	8 - 10 Weeks	70	-65F to +400F	USP Class VI (not for human implantation)
S590-70 Clear FDA Medical Silicone	8 - 10 Weeks	70	-65F to +400F	Purity, Broad Temperature & Chemical Resistance
E300-70 Black EPDM & FDA Grade	Stock	70	-65F to +300F	Oxygen, Sunlight & Ozone Resistance
E330-70 Black Lexan Compatible EPDM	3 Weeks	70	-65F to +300F	Plastic Applications, Pool & Spa
E350-70 Black Peroxide Cured EPDM	8 - 10 Weeks	70	-65F to +300F	High Temp Water Applications
E361-70 Sulfur Cured Black NSF-61 EPDM	8 - 10 Weeks	70	-65F to +300F	NSF-61 Water Applications
E388-70 Black UltraSlip™ EPDM & FDA Grade	8 - 10 Weeks	70	-65F to +300F	Internally Lubricated EPDM
V700-75/W White Fluoroelastomer	8 - 10 Weeks	75	-20F to +400F	Purity, Chemical, Temperature Resistance
V768-75 Brown 3A Sanitary FDA Viton®	Stock	75	-20F to +400F	High Temperature Milk or Edible Oil Service
V760-75 Black FDA Viton®	8 - 10 Weeks	75	-20F to +400F	High Temperature Food or Water Service
PTFE-WH White Teflon®	8 - 10 Weeks	-	-300F to +500F	Wide Temperature Crush Seal