

O-Rings.com

BY

BOYD

CORPORATION



SEMICONDUCTOR

O-RINGS

One Company, Many Solutions

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

Cleanroom Manufacturing

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

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. Fluoroelastomers are available to meet a wide range of temperature and chemical resistance requirements at an economical cost. For the harshest environments, we offer peroxide and tiazine cured perfluoroelastomers.

Best Raw Materials

Dupont™, Solvay Solexis and 3M™ base elastomers assure complete compliance to ASTM 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

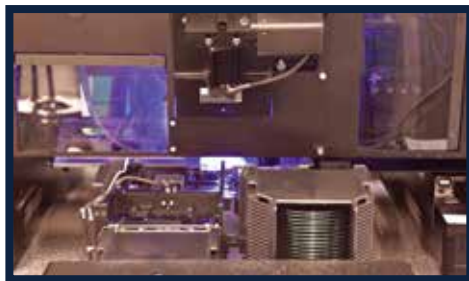
ISO9001

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 Semiconductor Rubber Compounds



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

Boyd's specialized compounds range from fluoroelastomers and Viton® for economical performance in extreme temperature or chemical environments to perfluoroelastomers for the harshest environments. We will collaborate with your teams to meet your custom needs.

For the most demanding purity requirements, we offer perfluoroelastomer seals manufactured in a cleanroom environment to minimize particulates for critical vacuum applications.

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

**1(888) 244-6931 Toll Free
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Compounds	Lead Time	Duro	Usage Temp	Typical Usage
N100-70 Black Nitrile	Stock	70	-40F to +250F	Oil & Hydraulic Applications
N120-70 Oil Service Nitrile	8 - 10 Weeks	70	-40F to +250F	High Temperature Oil Applications
N140-90 High Pressure Nitrile	Stock	90	-40F to +250F	High Pressure Oil Applications
S500-70 Red Silicone & FDA Grade	Stock	70	-65F to +400F	Good Chemical & Temperature Resistance
F900-70 Blue Fluorosilicone	8 - 10 Weeks	70	-80F to +350F	Broad Temperature & Fuel Service
V700-75 Black Fluoroelastomer	Stock	75	-20F to +400F	Chemical & Temperature Resistance
V700-75/W White Fluoroelastomer	8 - 10 Weeks	75	-20F to +400F	Purity, Chemical, Temperature Resistance
V708-75 Brown Fluoroelastomer	Stock	90	-20F to +400F	Chemical & Temperature Resistance
V709-90 Hi Pressure Fluoroelastomer	8 - 10 Weeks	75	-20F to +400F	High Pressure Chemical & Temperature
V797-75 Genuine Dupont Viton®	8 - 10 Weeks	75	-20F to +400F	Chemical & Temperature Resistance
V798-75 Brown Genuine Dupont Viton®	8 - 10 Weeks	75	-20F to +400F	Chemical & Temperature Resistance
PF10-80 Black Perfluoroelastomer	3 - 4 Weeks	80	-22F to +590F	Exceptional Chemical Resistance
PF15-80 Black Perfluoroelastomer	3 - 4 Weeks	80	-4F to +500F	General Chemical Resistance
PF20-80 Black Perfluoroelastomer	3 - 4 Weeks	80	-22F to +600F	Exceptional Chemical & Temperature Resistance
PF25-80 White Perfluoroelastomer	3 - 4 Weeks	80	-4F to +446F	Low Particle Generation
PF30-80 White Perfluoroelastomer	3 - 4 Weeks	80	-30F to +590F	Low Particle, Excellent for Plasma
PF35-80 Translucent Perfluoroelastomer	3 - 4 Weeks	80	-4F to +446F	Low C.S., Excellent Outgas, Poor Physical
PF40-80 White Perfluoroelastomer	3 - 4 Weeks	80	-4F to +446F	General Chemical & Good Physical Properties
PF45-80 Off-white Perfluoroelastomer	3 - 4 Weeks	80	-22F to +446F	Aggressive Amines & Chemical Processes
PF50-80 Translucent Brown Perfluoroelastomer	3 - 4 Weeks	80	-22F to +590F	Low Metallic Ion, Excellent Outgas & Thermal
PTFE-WH White Teflon®	8 - 10 Weeks	-	-300F to +500F	Wide Temperature Crush Seal