

Parco

4900-90 Nitrile Seals

Need 90-Durometer Nitrile O-rings Tomorrow?

Parco is committed to being the leader in low-cost, general-purpose, 90-durometer nitrile O-rings. In addition to our industry leading low prices, we've tripled our inventory and cut our minimums in half. So when you need 90-durometer nitrile O-rings, you no longer have to check multiple sources for available inventory and competitive prices. Make Parco your first choice for 90-durometer nitrile O-rings.

4900-90 Meets Your Needs

1. Excellent Physical Properties

Parco's 4900-90 nitrile O-rings have excellent physical properties (see test report on reverse side). We also provide traceability for batch numbers and cure dates with every shipment. For nearly 20 years, 4900-90 O-rings have been used in a wide variety of applications with great results. So when you specify 4900-90, rest assured that you've made the right choice.

2. Huge Inventory

We stock over 10 million pieces of 4900-90 O-rings in all 369 standard sizes. We've also made it easy to check stock. Using our web site, you can view our inventory 24 hours a day. If we receive your order before 2:30 p.m. Pacific Time, you can receive your parts as soon as the next business day.

3. Exceptional Prices

Parco's 4900-90 prices are among the lowest around. We work with the best suppliers, buy in large volumes, and sell in standard-quantity bags. Those features allow us to provide you with 90-durometer nitrile O-rings at a great price.

Rely on Parco

Parco is a leading manufacturer of high-performance seals. We specialize in developing proprietary elastomeric compounds and bonding techniques. Parco's seals are available in 340 compounds, more than 25 percent developed in the last five years.

Founded in 1941, Parco was the first manufacturer to specialize in O-rings. Our modern 154,000 square-foot facility is one of the largest plants in the world making molded rubber seals. Parco also makes custom-molded elastomeric products, including rubber-to-metal bonded parts. In addition, Parco imports and resells molded rubber seals.

For more information on Parco's 4900-90 O-rings or to obtain samples, please contact a Parco customer service representative.

Test Report for Compound 4900-90

General-purpose 90-durometer nitrile

Section of Spec.	Physical Property	Requirement ¹	Typical Value	ASTM Test Method
	Original Properties			
	Hardness, Shore A	90 ± 5	89	D2240
	Tensile strength, MPa (psi), min.	10(1450)	13(1870)	D412
	Ultimate elongation, pct., min.	100	155	D412
Basic	Heat Aging 70 hours at 125°C (257°F)			D865
	Hardness change, pts., Shore A	±15	4	
	Tensile strength change, pct.	±30	5	
	Ultimate elongation change, pct., max.	-50	-32	
B14	Compression Set, Solid 22 hours at 100°C (212°F)			D395 Method B
	Pct. of original deflection, max.	25	20	
EO15	Fluid Aging, ASTM Oil No. 1 70 hours at 125°C (257°F)			D471
	Hardness change, pts., Shore A	0 to 10	4	
	Tensile strength change, pct., max.	-20	-6	
	Ultimate elongation change, pct., max.	-35	-29	
	Volume change, pct.	-15 to 5	-8	
EO35	Fluid Aging, IRM 903 Oil 70 hours at 125°C (257°F)			D471
	Hardness change, pts., Shore A	±10	-5	
	Tensile strength change, pct., max.	-15	-11	
	Ultimate elongation change, pct., max.	-30	-21	
	Volume change, pct.	0 to 25	7	
F16	Low Temperature Flexibility 3 minutes at -35°C (-31°F)			D2137
	Non-brittle	Pass	Pass	
Z1	Compression Set, 0568-214 O-ring 22 hours at 100°C (212°F)			D395 Method B
	Pct. of original deflection	Report	12	D1414

¹Compound 4900-90 meets the requirements shown above for ASTM D2000 M4CH910 B14 EO15 EO35 F16 Z1.

Source: Parco Test Report 7320A.

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