

Parco

4900-70 Nitrile Seals

Need 70-Durometer Nitrile O-rings Tomorrow?

Parco is committed to being the leader in low cost, general-purpose, 70-durometer nitrile O-rings. We've quadrupled our inventory, cut our prices 30 percent, and cut our minimums in half. So when you need 70-durometer nitrile O-rings, you no longer have to check multiple sources for available inventory and competitive prices. Make Parco your first choice for 70-durometer nitrile O-rings.

4900-70 Meets Your Needs

1. Excellent Physical Properties

Parco's 4900-70 nitrile O-rings have excellent physical properties (see test report on reverse side). We also have batch number and cure date traceability. For nearly 20 years, 4900-70 O-rings have been used in a wide variety of applications with great results. So when you specify 4900-70, rest assured that you've made the right choice.

2. Huge Inventory

We carry over 50 million pieces of 4900-70. And we stock 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 4900-70 prices are among the lowest around. We work with the best suppliers, buy in large volumes, and sell our parts in standard-quantity bags. Those features allow us to provide you with 70-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 4900-70 O-rings or to obtain samples, please contact a Parco customer service representative.

4900-70

Test Report for Compound 4900-70 General-purpose 70-durometer nitrile

Physical Property	Requirement ¹	Typical Value	ASTM Test Method
Original Properties			
Hardness, Shore A	70 ± 5	68	D2240
Tensile strength, MPa (psi), min.	14(2031)	16(2277)	D412
Ultimate elongation, pct., min.	250	380	D412
Compression Set			
22 hours at 100°C (212°F)			
pct. of original deflection, max.	25	14	D395 Method B
Fluid Aging, Water			
70 hours at 100°C (212°F)			
Hardness change, pts., Shore A	±10	1	D471
Volume change, pct.	±15	5	
Fluid Aging, Fuel A			
70 hours at 23°C (75°F)			
Hardness change, pts., Shore A	±10	3	D471
Tensile strength change, pct., max.	-25	-4	
Ultimate elongation change, pct., max.	-25	-6	
Volume change, pct.	-5 to 10	-2	
Fluid Aging, Fuel B			
70 hours at 23°C (75°F)			
Hardness change, pts., Shore A	-30 to 0	-10	D471
Tensile strength change, pct., max.	-60	-38	
Ultimate elongation change, pct., max.	-60	-30	
Volume change, pct.	0 to 40	18	
Fluid Aging, ASTM Oil No. 1			
70 hours at 100°C (212°F)			
Hardness change, pts., Shore A	-5 to 10	6	D471
Tensile strength change, pct., max.	-25	10	
Ultimate elongation change, pct., max.	-45	-6	
Volume change, pct.	-10 to 5	-4	
Fluid Aging, IRM 903 Oil			
70 hours at 100°C (212°F)			
Hardness change, pts., Shore A	-10 to 5	-2	D471
Tensile strength change, pct., max.	-45	-2	
Ultimate elongation change, pct., max.	-45	-4	
Volume change, pct.	0 to 25	3	
Low Temperature Flexibility			
3 minutes at -40°C (-40°F)			
Non-brittle	Pass	Pass	D2137
Heat Aging			
70 hours at 100°C (212°F)			
Hardness change, pts., Shore A	±15	3	D573
Tensile strength change, pct., max.	-20	4	
Ultimate elongation change, pct., max.	-40	-12	

¹Compound 4900-70 meets the requirements shown above for ASTM D2000 M2BG714 B14 EA14 EF11 EF21 EO14 EO34 F17 Z1.

Source: Parco Test Report 7017A.

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