

Parco

4950-70 Nitrile Seals

Need FDA Conforming O-rings Tomorrow?

Parco is committed to being the leader in low cost, FDA conforming, 70-durometer nitrile O-rings. We now stock all 369 standard sizes. We also reduced our prices and cut our minimums in half. So when you need 70-durometer, FDA conforming, nitrile O-rings, you no longer have to check multiple sources for available inventory and competitive prices.

4950-70 Meets Your Needs

1. Excellent Physical Properties

Parco's 4950-70 nitrile O-rings have excellent physical properties (see test report on reverse side). We also have batch number and cure date traceability. For nearly 25 years, 4950-70 O-rings have been used in a wide variety of applications with great results. Parco's 4950-70 compound meets the Federal Drug Administration (FDA) standard requirements for food-handling applications.

2. Huge Inventory

We carry over 10 million pieces of 4950-70. And we stock all 369 standard sizes. We've also made it easy to check stock. Using our website, you can view our inventory 24 hours a day. If we receive your order before 1:00 p.m. Pacific time, you can receive your parts as soon as the next business day.

3. Exceptional Prices

Parco 4950-70 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 FDA conforming, 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 more than 500 compounds.

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 4950-70 O-rings or to obtain samples, please contact a Parco customer service representative at 909-947-2200.

Key Features

Parco's 4950-70 nitrile seals are ideal for use in a variety of general-purpose applications. Key features include the following:

- **FDA Conforming:**
Parco 4950-70 seals conform to FCDA standard 177.2600, which provides approval for repeated use in food handling equipment.
- **Wide range of service temperatures:**
Parco 4950-70 seals are suitable for applications ranging from -20 to +212°F.

Chemical Resistance

USE WITH	DO NOT USE WITH
Automatic Transmission Fluid Crude Oil Gasoline Propane Water	Acetone Carbon Tetrachloride Ethyl Acetate Nitromethane Toluene

Typical Values for Compound 4950-70

General-purpose 70-durometer, FDA conforming nitrile

Section of Spec.	Physical Property	Requirement ¹	Typical Value	ASTM ² Test Method
	Original Properties			
	Hardness, Shore A	70 ± 5	69	D2240
	Tensile strength, MPa (psi), min.	14(2031)	16(2319)	D412
	Ultimate elongation, pct., min.	250	389	D412
Z1	Modulus at 100 pct., elongation, psi	Report	506	D412
Z2	Specific gravity	Report	1.20	D297
	Heat Aging			
	70 hours at 100°C (212°F)			D573
Basic	Hardness change, pts., Shore A	±15	3	
	Tensile strength change, pct., max.	±30	4	
	Ultimate elongation change, pct., max.	-50	-10	
	Compression Set, Plied			D395
	22 hours at 100°C (212°F)			Method B
B34	pct. of original deflection, max.	25	14	
	Fluid Aging, Water			
	70 hours at 100°C (212°F)			D471
EA14	Hardness change, pts., Shore A	±10	-3	
	Volume change, pct.	±15	9	
	Fluid Aging, IRM³ 901 Oil			
	70 hours at 100°C (212°F)			D471
EO14	Hardness change, pts., Shore A	-5 to 10	3	
	Tensile strength change, pct., max.	-25	3	
	Ultimate elongation change, pct., max.	-45	-14	
	Volume change, pct.	-10 to 5	-7	
	Fluid Aging, IRM 903 Oil			
	70 hours at 100°C (212°F)			D471
EO34	Hardness change, pts., Shore A	-10 to 5	-5	
	Tensile strength change, pct., max.	-45	4	
	Ultimate elongation change, pct., max.	-45	-18	
	Volume change, pct.	0 to 25	6	

¹Compound 4950-70 meets the requirements shown above for ASTM D2000 M2BG714 B34 EA14 EO14 EO34 Z1 Z2. ²ASTM is the acronym for the American Society for Testing and Materials. ³IRM is the acronym for Industry Reference Material.

Source: Parco Test Report 9516.

⚠ This brochure is intended as a guideline and reference. Appropriate testing and validation by users having technical expertise is necessary for proper use of Parco products.

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