

# 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're 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 25 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 website, 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 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 more than 800 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 4900-70 O-rings or to obtain samples, please contact a Parco customer service representative at 909-947-2200.

## Key Features

Parco's 4900-70 nitrile seals are ideal for use in a variety of general-purpose applications. Key features include the following:

- **Outstanding resistance to compression set:**  
Parco 4900-70 seals had a compression set of only 14 percent after 22 hours at 212°F.
- **Wide range of service temperatures:**  
Parco 4900-70 seals are suitable for applications ranging from -30 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 4900-70 General-purpose 70-durometer nitrile

Section of Spec.	Physical Property	Requirement <sup>1</sup>	Typical Value	ASTM <sup>2</sup> Test Method
	<b>Original Properties</b>			
	Hardness, Shore A	70 ± 5	68	D2240
	Tensile strength, MPa (psi), min.	14(2031)	14.9(2161)	D412
Z1	Ultimate elongation, pct., min.	250	425	D412
Z2	Modulus at 100 pct., elongation, psi	Report	340	D412
	Specific gravity	Report	1.22	D297
Basic	<b>Heat Aging 70 hours at 100°C (212°F)</b>			D573
	Hardness change, pts., Shore A	±15	2	
	Tensile strength change, pct.	±30	-5	
	Ultimate elongation change, pct., max.	-50	-13	
B14	<b>Compression Set, Solid 22 hours at 100°C (212°F)</b>			D395 Method B
	pct. of original deflection, max.	25	14	
EA14	<b>Fluid Aging, Water 22 hours at 100°C (212°F)</b>			D471
	Hardness change, pts., Shore A	±10	-3	
	Volume change, pct.	±15	8	
EO14	<b>Fluid Aging, IRM<sup>3</sup> 901 Oil 70 hours at 100°C (212°F)</b>			D471
	Hardness change, pts., Shore A	-5 to 10	4	
	Tensile strength change, pct., max.	-25	5	
	Ultimate elongation change, pct., max.	-45	-9	
	Volume change, pct.	-10 to 5	-6	
EO34	<b>Fluid Aging, IRM 903 Oil 70 hours at 100°C (212°F)</b>			D471
	Hardness change, pts., Shore A	-10 to 5	-2	
	Tensile strength change, pct., max.	-45	-4	
	Ultimate elongation change, pct., max.	-45	-10	
	Volume change, pct.	0 to 25	6	

<sup>1</sup>Compound 4900-70 meets the requirements shown above for ASTM D2000 M2BG714 B14 EA14 EO14 EO34 Z1 Z2. <sup>2</sup>ASTM is the acronym for the American Society for Testing and Materials. <sup>3</sup>IRM is the acronym for Industry Reference Material.

Source: Parco Test Report 8717.

△ 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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