

# Parco

## 1200-70 Silicone Seals

### Need 70-Durometer Silicone O-rings Tomorrow?

Parco is committed to being the leader in low cost, general-purpose, 70-durometer silicone O-rings. We've tripled our inventory, cut our prices, and reduced our minimum order to about \$5. So when you need 70-durometer silicone O-rings, you no longer have to check more than one source for available inventory and competitive prices. Make Parco your first choice for 70-durometer silicone O-rings.

#### 1200-70 Meets Your Needs

##### 1. Excellent Physical Properties

Parco's 1200-70 silicone O-rings have excellent physical properties (see test report on reverse side). We also have batch number and cure date traceability. Parco's 1200-70 O-rings have been used in a wide variety of applications with great results. So when you specify 1200-70, rest assured that you've made the right choice.

##### 2. Huge Inventory

We carry more than 10 million pieces of 1200-70, and we stock all 369 standard sizes. We've also made it easy to check stock 24 hours a day using our website. 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 1200-70 prices are among the lowest available. We sell in huge volume and sell in standard-quantity bags. That allows us to provide you with 70-durometer silicone 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 1200-70 O-rings or to obtain samples, please contact a Parco customer service representative at 909-947-2200.

## Key Features

Parco's 1200-70 silicone seals are ideal for use in a variety of general-purpose applications. Key features include the following:

- **Superior performance at low temperatures:**  
Parco 1200-70 seals can be used in applications with continuous service temperatures as low as -80°F.
- **Color:**  
Parco 1200-70 seals are brick red.
- **Wide range of service temperatures:**  
Parco 1200-70 seals are suitable for applications ranging from -80 to +400°F.

## Chemical Resistance

USE WITH	DO NOT USE WITH
Alcohols Hot Air Ozone Vegetable Oils Water	Acetone Gasoline Military Aircraft Hydraulic Fluid

## Typical Values for Compound 1200-70

### General-purpose 70-durometer silicone

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	69	D2240
	Tensile strength, MPa (psi), min.	5(725)	6.3(913)	D412
	Ultimate elongation, pct., min.	150	216	D412
Z1	Modulus at 100 pct., elongation, psi	Report	547	D412
Z2	Specific gravity	Report	1.32	D297
	<b>Heat Aging</b>			
A19	<b>70 hours at 225°C (437°F)</b>			D573
	Hardness change, pts., Shore A, max.	10	4	
	Tensile strength change, pct., max.	-25	-10	
	Ultimate elongation change, pct., max.	-30	-28	
	<b>Compression Set, Plieed</b>			
B37	<b>22 hours at 175°C (347°F)</b>			D395 Method B
	Pct. of original deflection, max.	30	18	
	<b>Fluid Aging, Water</b>			
EA14	<b>70 hours at 100°C (212°F)</b>			D471
	Hardness change, pts., Shore A	±5	-5	
	Volume change, pct.	±5	2	
	<b>Fluid Aging, IRM<sup>3</sup> 901 Oil</b>			
EO16	<b>70 hours at 150°C (302°F)</b>			D471
	Hardness change, pts., Shore A	-15 to 0	-4	
	Tensile strength change, pct., max.	-20	-11	
	Ultimate elongation change, pct., max.	-20	-17	
	Volume change, pct.	0 to 15	6	
	<b>Low Temperature Property</b>			
F19	Nonbrittle after 3 minutes -55°C	Pass	Pass	D2137
	<b>Tear Resistance</b>			
G11	Die B, kN/m, min.	9	16	D624

<sup>1</sup>Compound 1200-70 meets the requirements shown above for ASTM D2000 M7GE705 A19 B37 EA14 EO16 F19 G11 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 9116.

⚠ 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.

# Parco

Parco, Inc., 1801 S. Archibald Ave., Ontario, California 91761  
909-947-2200 Fax 909-923-0288 parcoinc.com