

High-Performance Seals

Parco

1200-70 Silicone Seals



Need O-rings for AMS 3304 Tomorrow?

Parco is committed to being the leading supplier of O-rings for AMS specification 3304. We've tripled our inventory, cut our prices 20 percent, and reduced our minimum order to about \$25. So when you need O-rings for AMS 3304, you no longer have to check more than one source for available inventory and competitive prices. Make Parco your first choice for O-rings for AMS 3304.

1200-70 Meets Your Needs

1. Exceeds AMS 3304

Parco O-rings made from our 70-durometer silicone compound 1200-70 exceed the requirements of AMS 3304 (see test report on reverse side). Parco supplies seals to 65 military and aerospace specifications. Our quality system is certified to ISO/TS 16949 and AS9100. So when you specify 1200-70, rest assured that you've made the right choice.

2. Huge Inventory

We carry more than 5 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 web site. 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 O-rings for AMS 3304 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 introduced 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 1200-70 O-rings or to obtain samples, please contact a Parco customer service representative.

Typical Values for Compound 1200-70

AMS 3304 certified 70-durometer silicone

| Section of Spec. | Physical Properties | Requirement ¹ | Typical Value | ASTM ² Test Method |
|------------------|--|--------------------------|---------------|-------------------------------|
| | Original Properties | | | |
| 3.2.1.1 | Hardness, Shore A | 70 ± 5 | 68 | D2240 |
| 3.2.1.2 | Tensile strength, MPa (psi), min. | 650 | 943 | D412 |
| 3.2.1.3 | Ultimate elongation, pct., min. | 125 | 210 | D412 |
| 3.2.1.4 | Tear strength, Die B, kN/m, min. | 4.38 | 19 | D624 |
| 3.2.1.5 | Specific gravity | Report | 1.32 | D297 |
| | Fluid Aging, ASTM Oil No. 1 | | | |
| 3.2.2 | 70 hours at 150°C (302°F) | | | D471 |
| 3.2.2.1 | Hardness change, pts., Shore A | -15 to 5 | -8 | |
| 3.2.2.2 | Tensile strength change, pct., max. | -20 | -2 | |
| 3.2.2.3 | Ultimate elongation change, pct., max. | -15 | 7 | |
| 3.2.2.4 | Volume change, pct., max. | 15 | 6 | |
| 3.2.2.5 | Decomposition | None | None | |
| 3.2.2.6 | Surface tackiness | None | None | |
| | Heat Aging | | | |
| 3.2.3 | 70 hours at 225°C (437°F) | | | D573 |
| 3.2.3.1 | Hardness change, pts., Shore A | ±10 | 5 | |
| 3.2.3.2 | Tensile strength change, pct., max. | -25 | 3 | |
| 3.2.3.3 | Ultimate elongation change, pct., max. | -40 | -38 | |
| 3.2.3.4 | Bend (flat) | No Cracking/Checking | None | |
| | Compression Set, Plieed | | | |
| 3.2.4 | 70 hours at 150°C (302°F) | | | D395 Method B |
| 3.2.4.1 | Pct. of original deflection, max. | 25 | 12 | |
| | Low Temperature Resistance | | | |
| 3.2.5 | Nonbrittle after 3 minutes at -65°C (-85°F) | | | D2137 |
| 3.2.5.1 | Nonbrittle after 3 minutes at -65°C (-85°F) | Pass | Pass | |

¹Compound 1200-70 meets the requirements shown above for Aerospace Material Specification, AMS 3304 Rev. G, *Silicone Rubber General Purpose 70 Durometer*.

²ASTM is the acronym for the American Society for Testing and Materials.

Source: Parco Test Report 8122.

Parco

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