

Need Peroxide-Cured 90-Durometer Seals at a Great Price?

Parco is committed to being the leader in low-cost, peroxide-cured, 90-durometer nitrile O-rings. Seals made from our 4623-90 compound have outstanding physical properties and are competitively priced.

4623-90 Meets Your Needs

1. Excellent Resistance to Compression Set

When installed, most seals must resist taking a set from compression to seal properly. When a seal takes a set, it no longer exerts force on the mating surfaces, resulting in leakage. A compound with low compression set, like 4623-90, better maintains its elastomeric properties and original thickness, preserving seal integrity.

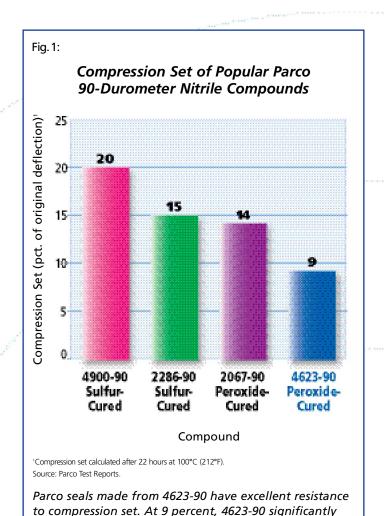
Seals made from Parco's 4623-90 compound provide excellent resistance to compression set at higher temperatures. After testing 4623-90 for 22 hours at 212°F, it had a compression set of only 9 percent (see Figure 1).

2. Peroxide-Cured

Nitrile compounds use either sulfur or peroxide curatives. Peroxide-cured compounds typically have better resistance to compression set and extrusion. Peroxide-cured compounds also have lower elongation.

3. Exceptional Prices

Parco s 4623-90 prices are among the lowest available. We use the latest manufacturing techniques and sell in huge volume. That allows us to provide you with peroxide-cured, 90-durometer nitrile O-rings at a great price.



outperforms other 90-durometer nitrile compounds.

Typical Values for Compound 4623-90 Peroxide-cured 90-durometer nitrile

Section of			Typical	ASTM
Spec.	Physical Property	Requirement ¹	Value	Test Method
Z 1	Original Properties Hardness, Shore A Tensile strength, MPa (psi), min. Ultimate elongation, pct., min. Modulus at 50 pct., elongation, MPa (psi)	90 ± 5 10(1450) 100 Report	88 21.4(3101) 123 10.2(1481)	D2240 D412 D412 D412
B14 Z2	Compression Set, Solid Pct. of original deflection 22 hours at 100°C (212°F) 70 hours at 150°C (302°F)	25 Report	9 21	D395 Method B
Basic	Heat Aging 70 hours at 100°C (212°F) Hardness change, pts., Shore A Tensile strength change, pct. Ultimate elongation change, pct., max.	±15 ±30 -50	1 -6 -19	D573
EF21	Fluid Aging, Fuel B 70 hours at 23°C (73°F) Hardness change, pts., Shore A Tensile strength change, pct., max. Ultimate elongation change, pct., max. Volume change, pct.	-30 to 10 -60 -60 0 to 40	-5 -18 -14 7	D471
EO34	Fluid Aging, IRM 903 Oil 70 hours at 100°C (212°F) Hardness change, pts., Shore A Tensile strength change, pct., max. Ultimate elongation change, pct., max. Volume change, pct.	-10 to +5 -45 -45 0 to +25	-1 -20 -25 2	D471

'Compound 4623-90 meets the requirements shown above for ASTM D2000 M7BG910 B14 EF21 EO34 Z1 Z2. Source: Parco Test Report 8086B.



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