



O-Ring Cord Spliced O-Rings





O-Ring Cord

O-Ring cord is available off-the-shelf in a number of sizes:

- AS-568 Cross sections
- English sizes - fractional
- Metric sizes

Precision Associates extruded O-Ring cord can be ordered in 4 standard materials as well as specialty compounds. NBR, Silicone, FKM, EPDM are generally available from stock.

Buy it by the foot, or have us splice rings for you. We can cold splice (glue bond) or hot splice (cured bond), depending on your application and the polymer of choice.

Have a specialty compound requirement? In some cases, we can make an O-Ring from a PAI compound using existing molding tools and splice an O-Ring to your required size from the molded ring. Ask us about non-round extrusions including 4-Lobed profiles.

O-Ring Cord stock is sold by the foot. Contact our Customer Service group to see about having us splice O-Rings for you.

Most in-stock orders for extruded cord placed before 12:00 (Central Time) will be shipped the same day. Orders placed after noon will normally ship the next day.

Spliced ring orders under 20 pieces can generally be shipped within 24 hours. Larger orders will be quoted upon request.

Hot or Cold Splice?

Why would I choose hot vs. cold. We recommend hot splices for most applications, but our ability to hot splice is dependent on the polymer and having a suitable mold.

Cold splicing can be performed by us or by the end user. Splicing rings is relatively easy to do, but consideration must be taken for applications that have exposure to water.

The table below list splice type by polymer. The table on the next page shows which sizes we have splicing molds for.

Polymer	Hot	Cold
Nitrile (NBR)	Y	Y
Silicone (VMQ)	Y	
Fluoroelastomer (FKM)	Y	Y
EPDM	Y	Y
Neoprene	Y	Y



A 70 NBR Hot Splice

Hot Spliced O-Rings have a minimum 4½" ID. The limit for cold spliced rings is determined by the extrusion cross section.

PAI has performed tensile tests on our hot spliced rings. They routinely test to greater than 850 psi at break.



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Fractional Inch	Metric	As 568	Decimal Inch	70 NBR	70 Sil	70 FKM	70 EPDM
	1 mm		.039	B	B	C	C
1/16			.063	A	B	B	B
		-0xx	.070	A	A	A	A
	2 mm		.079	A	B	B	B
3/32			.093	A	B	B	B
	2.5 mm		.098	B	B	C	C
		-1xx	.103	A	A	A	A
	3 mm		.118	A	B	A	B
1/8			.125	A	A	A	B
		-2xx	.139	A	A	A	A
5/32			.156	A	A	A	B
	4 mm		.157	A	B	B	B
3/16			.187	A	A	B	B
	5 mm		.197	A	B	B	B
		-3xx	.210	A	A	A	A
	6 mm		.236	A	B	B	B
1/4			.250	A	B	B	B
		-4xx	.275	A	A	A	A
5/16			.312	A	B	B	B
	8 mm		.315	B	B	B	B
	9 mm		.354	A	B	B	B
3/8			.375	A	B	A	A
	10 mm		.394	A	B	B	B
7/16			.437	A	B	B	B
1/2			.500	A	B	B	B
5/8			.625	A	B	B	B
3/4			.750	A	B	B	B

Code	Inventory Status
A	In Stock
B	Special Order
C	Not Available

Please Contact us regarding sizes and materials not listed



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Ask us about our complete line of product literature:

- *Standard O-Rings*
- *Special Size O-Rings*
- *U-Cups*
- *V-Rings*
- *Rod Wipers*
- *X-Rings*
- *8-Rings™*
- *Multiseal® Low Friction Seals*
- *Kurv-Bak™ Hard Rubber Backup Rings*
- *Rubber Balls*
- *Medical Seals*
- *Custom Moldings*

After 60 years in the rubber business, we've learned to be flexible. We'll bend over backwards to design custom solutions that meet your needs *precisely*. PAI is the company you can trust for rubber seal solutions YOUR WAY!

- **Over 1,000 different compounds**
- **More than 2,500 O-Ring Sizes**
- **On-Site Mold Shop**
- **Custom Molding**
- **99% on-time delivery**
- **ISO 14644-1 Class 7 Clean Room**