

Frequently Asked Questions

TechSeal Division

ENGINEERING QUESTIONS

General Questions	Answers
How are Parker TechSeal's products manufactured?	Most Parker TechSeal products are manufactured through an extrusion process combined with a secondary finishing process.
What product families does Parker TechSeal offer?	Parker TechSeal offers precision cut seals, long length extrusions, filter seals, Packer Elements, and ParFab spliced and fabricated gaskets. See parker.com/techseal for more information.
What is the life expectancy for Parker TechSeal products (precision cut seals, spliced rings, custom designs, etc.)?	<p>Parker TechSeal does not make recommendations to the life expectancy of any of our products given a specific application. Our catalogs offer performance guidelines in the way of pressure, temperature, etc., which define the performance limits of our products.</p> <p>Every application is unique and variables beyond our control can greatly affect a products useful life expectancy. It is always the responsibility of the end user to validate the product they choose and make sure it meets the demands of their application.</p>
What is the shelf life of Parker TechSeal products?	<p>Parker TechSeal follows standard industry practices depending on the specific type of elastomer. Please visit the following link for more information:</p> <p>http://www.parker.com/literature/ORing%20Division%20Literature/shelf%20life.pdf</p>
What are you standard lead times?	Parker TechSeal's standard lead time is 4-6 weeks for most standard profiles and materials. Parker TechSeal does offer expedite options and, in certain cases, can offer improved lead times.
If I have a question regarding pricing, whom at TechSeal Division do I contact?	Please send an email to TechSeal's Pricing inbox at tsdpricing@parker.com for any pricing questions.
I have a drawing, how do I get a quote?	Drawings and usage information can be forward directly to tsdpricing@parker.com .



Frequently Asked Questions

TechSeal Division

ENGINEERING QUESTIONS

Design Questions	Answers														
My profile is not listed in the ParFab Design Guide, can you still help?	<p>Yes. Parker TechSeal Division offers and has supplied custom designs to a wide variety of applications in many different markets. Please contact Application Engineering at (864) 573-7332 or send your inquiries to TechSeal's Pricing inbox at tsdpricing@parker.com.</p>														
How much force is required to compress a seal?	<p>Parker TechSeal's team of Application Engineers can use the latest Finite Element Analysis (FEA) to help you determine installation force, compressive force, contact pressure, and other necessary design characteristics. Further details on seal design can be found in ParFab Design Guide (TSD 5420) pages 4 to 7.</p> <p>We strongly recommend you contact us directly at (864) 573-7322 to get the optimal seal recommendation for your specific applications.</p>														
How to specify a standard TechSeal part number?	<p>Typical TechSeal ten-digit part number: X XXX X XXXXX</p> <p>1st digit: Profile configuration</p> <p>2nd digit to 4th digit: Configuration size (see ParFab Design Guide_ TSD 5420, pages 13 to 19)</p> <p>5th digit: Description (PSA backing, spooled, coiled, etc.) – Alpha #</p> <table><thead><tr><th>Alpha #</th><th>Description</th></tr></thead><tbody><tr><td>C</td><td>Coiled footage</td></tr><tr><td>L</td><td>Cut to length</td></tr><tr><td>P</td><td>PSA backing spooled footage</td></tr><tr><td>Q</td><td>PSA backing coiled footage</td></tr><tr><td>S</td><td>Spooled footage</td></tr><tr><td>X</td><td>Splicing and fabrication</td></tr></tbody></table> <p>6th digit to 10th digit: Elastomer material</p> <p><i>Example: A001SS7395</i></p> <p><i>Part number indicate a solid O profile with a cross section of .040 + .003 inches [1.102 + 0.08 mm], supplied on spools and produced from Tech-Seal compound S7395.</i></p> <p>Custom profiles or configurations have part numbers of XXXXX X (5 numbers and 1 letter) and can be acquired by emailing tsdpricing@parker.com</p>	Alpha #	Description	C	Coiled footage	L	Cut to length	P	PSA backing spooled footage	Q	PSA backing coiled footage	S	Spooled footage	X	Splicing and fabrication
Alpha #	Description														
C	Coiled footage														
L	Cut to length														
P	PSA backing spooled footage														
Q	PSA backing coiled footage														
S	Spooled footage														
X	Splicing and fabrication														

Frequently Asked Questions

TechSeal Division

ENGINEERING QUESTIONS

Material Questions	Answers
<p>What seal materials do you use to manufacture parts at Parker TechSeal?</p>	<p>Parker TechSeal offers a wide variety of elastomer families: silicone (VMQ), fluorosilicone (FVMQ), nitrile (NBR), hydrogenated nitrile (HNBR), fluorocarbon (FKM), ethylene propylene rubber (EPDM / EPR), neoprene / chloroprene (CR), thermoplastic elastomers (TPR / TPE), and Viton®.</p> <p>We offer compounds in these most of these families ranging from 40 to 90 shore A (durometer).</p> <p>Specialty approved materials include UL 94 V-0, UL 157, UL 497, NSF Standard 61, USP Class VI, FDA White List, and a variety of ASTM, MIL, and SAE certified materials.</p> <p>Please contact the Division for specific compound information.</p>
<p>I currently buy a molded Parker O-ring, can I obtain an extruded product from the same material?</p>	<p>Many Parker O-Ring Division compounds are available in the form of extruded products. If the requested compound is not available Parker TechSeal can recommend an equivalent material.</p>
<p>Does Parker TechSeal manufacture foam or sponge materials?</p>	<p>No, all Parker TechSeal compounds are fully dense elastomer materials</p>
Fabrication Questions	Answers
<p>How are ParFab products spliced or bonded?</p>	<p>Parker TechSeal Division utilizes a proprietary adhesive and a hot vulcanization of the bond.</p>
<p>How strong are the splices?</p>	<p>Using Parker TechSeal's proprietary method, splices are typically stronger than traditional methods. Please contact Application Engineering for additional information</p>
<p>What splicing configurations are offered?</p>	<p>The most common splicing configurations are butt splicing and angled splicing. Custom configurations are available but depend on profile and material.</p>

Frequently Asked Questions

TechSeal Division

MARKETING COMMUNICATIONS QUESTIONS

General Questions	Answers
How do I order hard copies of TechSeal Division's literature?	You can order hard copies of TechSeal Division's literature online at www.parker.com/techseal , under the Literature tab. Simply click "Add to Cart" button and edit your cart to indicate your desired quantity.
What if I do not find the literature on the product(s) I need?	All of our published literatures are on www.parker.com/techseal and we are working to get more added. If you are looking for information on a certain product, please send an email request to tsdmarketing@parker.com with the subject line "Product information inquiry" and we will do our best to accommodate your need.
Does TechSeal Division have catalogs?	<p>Yes. TechSeal Division has several publications such as ParFab Design Guide (TSD 5420) and bulletins. Our catalog is ParFab Design Guide which can be downloaded electronically or ordered on www.parker.com/techseal, under the Literature tab.</p> <p>We strongly recommend that you consult with our Application Engineers to find a design that specifically suits your applications.</p>
Still have questions?	Feel free to send us an email at tsdmarketing@parker.com , or simply call us at (864) 573-7322.