

Innovation Meets Excellence

Whether your O-rings, gaskets, & custom parts be rubber, plastic, or metal, rest assured that Canyon Components can make it! We also offer rapid prototyping services and materials for virtually every specification requirement.



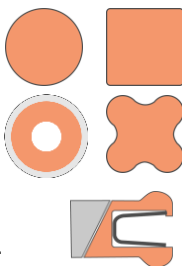
Quality, Specifications, & Industries

- ISO 9001 Certified
- FDA CFR 177.2600
- USP Class VI {87} & {88}
- NSF 51 & NSF 61
- USDA 3A
- NORSOK, NACE
- Nuclear Safe EN 14582
- MIL, AMS, Automotive
- EMI & RFI Shielding



Elastomeric (Rubber) Parts

- Perfluoroelastomers (FFKM)
- Viton® (FKM A, B, F, GF, GLT, GFLT, ETP)
- Aflas® (TFE/P)
- Silicone (VMQ, PVMQ)
- Fluorosilicone (FVMQ)
- Ethylene Propylene (EPDM)
- Polyurethane, Neoprene, XNBR, etc.



Specialty Seals

- Spring Energized Seals
- Encapsulated Seals
- Sanitary Gaskets
- Pipe Seals
- Custom Molded Gaskets
- Over-Molded Assemblies
- Square Rings, X-Rings, Grommets
- U-Cups, V-Rings, Backup Rings



Plastic Parts

- Teflon® (PTFE, FEP, PFA)
- Polyether Ether Ketone (PEEK)
- Polycarbonate (PC)
- Polyethylene (LDPE, HDPE)
- Polypropylene, Polystyrene, etc.



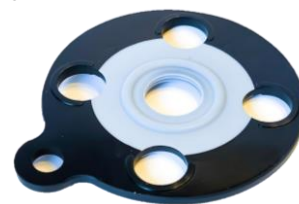
Metal Parts

- Fasteners, Hooks, Gears, Shafts, etc.
- Steel (Carbon, Alloy, Stainless, etc.)
- Aluminum (Series 1000-7000)
- Brass, Titanium (All Grades)
- Nickel Alloys, Magnesium Alloys, etc.



Production – Rubber, Plastic, & Metal

- Injection Molding & Over-Molding
- Extrusion & Micro-Extrusion
- Casting
- Thermoforming
- Blow Molding & Rotational Molding
- CNC Machining
- 3D Printing
- Custom Cutting



Specialty Components & Consumables

- Canyon Components Products (CanRez FFKM, CanGuard EMI & RFI Shielding, Custom Components)
- Parker Hannifin Products (Parofluor®, etc.)
- Dupont Products (Kalrez®, Teflon®, etc.)
- Garlock (Gaskets, Diaphragms, Seals, etc.)
- Trelleborg (Rod Seals, Hydraulic Seals, Scraper, etc.)
- Greene Tweed Products (Chemraz®, etc.)
- Hoses, Fittings, Valves, Rods, Pegs
- Adhesives (Hot Melt, Tape, Cyanoacrylate, MMA, etc.)
- Custom assemblies, multi-material over molds, etc.



Kalrez®

Garlock
SEALING TECHNOLOGIES®



TRELLEBORG

Services

- Coatings (Parylene, Teflon, plasma nanocoating, lubricant, passivated, colored)
- Internal & External Lubrication
- Engineering Consultation & Design Services
- Part Identification & Reverse Engineering Services
- Material Testing Services
- Clean Room Manufacturing & Packaging
- Vacuum Baking & Vacuum Packaging
- Semiconductor Services
- Custom Packaging, Stocking, & Blanket Orders.
- Kitting, On-Site Consignment, Kanban Stocking, Custom Barcoding, etc.



Custom Product Examples

Canyon Components, LLC



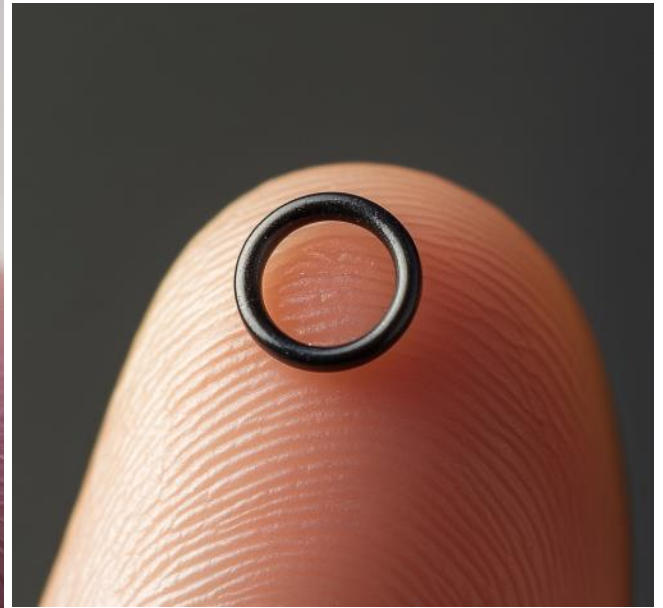
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Micro Over Molding and Micro O-rings

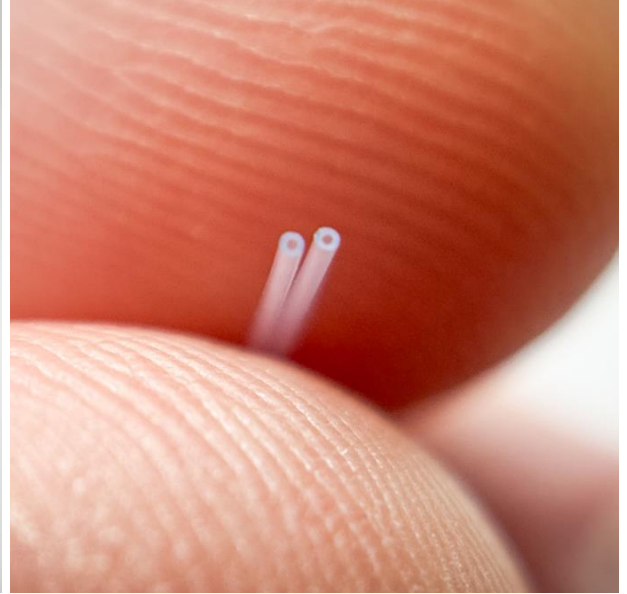
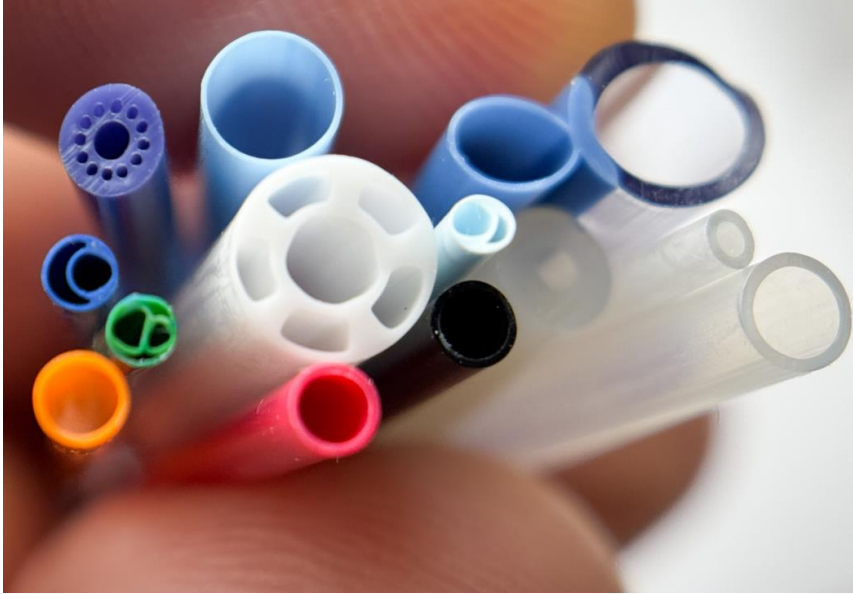


Diaphragms and Fabric Reinforced Diaphragms





Micro Extrusions



Custom FDA Compliant Gaskets & Nozzles for Food & Pharma Manufacturing





Custom Multi-Piece Assemblies & Over Molding





Custom Machined Metal Components



Custom Fasteners – Metal & Plastic (PEEK, PTFE, Nylon, etc.)





Custom Wire Forming



STANDARD LOOP



CIRCULAR LOOP



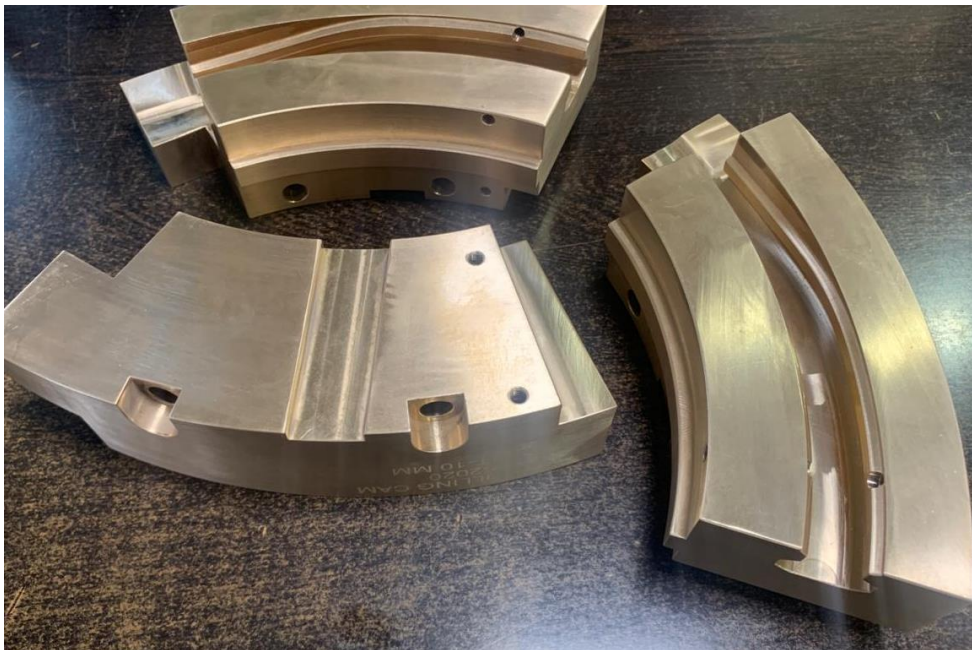


Custom Plastic Parts – Molded and Machined





Custom Metal Parts





Custom High Pressure Spring Energized PTFE Seals & Design Services



Spring Energized Seal Form

First Name		Last Name	
Email *		Phone	
Company			
New or Existing Application	Quantity Needed 0	Quantity Needed Yearly 0	
Max Operating Temperature	Pressure	Contacting Media or Fluid	
Motion Type	Stroke or RPM	Speed or Rate	
Seal Type	Groove Width (W)		
Groove ID (A)	Groove OD (B)	Groove Depth	
Notes			





Isolation Gasket Kits





FS Isolation Kit

Complete Fire Safe Sealing and Isolation Package

Overview

The Canyon Components FS Isolation Kit is a thoroughly API standard 6FB (Third Edition) tested and field-proven solution for fire safe applications. These FS gaskets offer reliable protection against galvanic corrosion and are designed to perform safely in sour environments, even under extreme temperatures.

Gasket - API 6FB

Drawing from years of technological expertise, the Canyon FS sealing/isolating gasket not only meets but surpasses the pressure containment requirements specified in API Standard 6FB (Third Edition).

Variable	Requirements	Results
Burn / Cooldown, mins	60	60
Nominal Pressure, psi	555	555
Leak Rate, ml/min	23.1 max	0.3
Burn / Cooldown	PASS	PASS

Variable	Requirements	Results
Nominal Pressure, psi	555	555
Leak Rate, ml/min	23.1 max	0
Depressurization / Repressurization	PASS	PASS

Gasket - Diagram



Gasket - Features

Canyon FS Isolation gaskets are specialized sealing solutions designed to prevent galvanic corrosion, manage the flow of electricity, and maintain the integrity of pipeline systems. These gaskets are crucial in ensuring the longevity and safety of piping systems in industries such as oil and gas, chemical processing, and water treatment.

Variable	GRE G10	GRE G11
Dielectric Strength, volts/ml	550	550
Water Absorption, %	0.1	0.1
Tensile Strength, psi	50,000	55,000
Compressive Strength, psi	51,000	60,000
Operating Temp, °C	-120 to 150	-110 to 200

Gasket - Sizes

- 0.5" through 48" diameter gaskets
- Type "E" or type "F" gaskets
- Compatible with all flange specifications, including ANSI, API, BS, DIN, AS, and others.

Gasket - Applications

- High-pressure flanges: API 10K, 2500#
- Critical or extreme service applications
- High pH environments
- H₂S/CO₂ exposure

Custom High Pressure Rotary Seals & Cap Seals





Custom High Compliance FFKM Perfluoroelastomer Rubber Parts



Adhesives – Loctite Equivalent Polyshot Hot Melt and Specialty Tapes





Steel RTJ Ring Joint Gaskets





Unlimited Large Custom Gaskets and O-rings – Molded or Spliced

