Parker Engineered Seals Division designs, manufactures, and tests innovative downhole sealing solutions to meet our customer’s increasing performance requirements for extreme environments.

Our dedicated oil and gas team provides expert product design and superior material development to deliver a solution for your application.

We specialize in developing compounds which will survive aggressive fluids, extreme temperatures, and high pressures.

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Engineering
- Product Design
- Finite Element Analysis
- Material Development
- Norsok M710 and ISO 23936 Materials
- ISO 14310 V3 & V0 Capable

Quality Assurance
- Specialized Manufacturing Equipment
- Robust Traceability
- CT and X-Ray Scanning Services
- Permanent Part Marking

Packing Elements
Custom Designed for the Most Challenging Applications
Engineered Materials
Superior Materials - Trust Built on Quality

Superior sealing begins with superior compounds. Parker's engineered materials meet industry demands and push the envelope for advanced material technology. Parker’s lines of HNBR, FKM, FEPM, FFKM, and EPDM have the diversity to meet a wide range of customer demands.

<table>
<thead>
<tr>
<th>HNBR</th>
<th>Recommended Use (temperature range is application dependent)</th>
</tr>
</thead>
<tbody>
<tr>
<td>KA270-70</td>
<td>General Purpose (300°F), Low Set Force, High Tear Strength</td>
</tr>
<tr>
<td>KA280-80</td>
<td>General Purpose (300°F), Low Set Force, High Tear Strength</td>
</tr>
<tr>
<td>KB282-80</td>
<td>HPHT (325°F), Retrievable, Low Set Force</td>
</tr>
<tr>
<td>KA183-85</td>
<td>HPLT (-55°F), ISO 23936-2 RGD, Norsok M-710 H₂S</td>
</tr>
<tr>
<td>KB285-85</td>
<td>HPHT (325°F), Retrievable, ISO 23936-2 RGD, Extrusion Resistant</td>
</tr>
<tr>
<td>KB163-90</td>
<td>HPHT (325°F), Retrievable, ISO 23936-2 RGD, Norsok M-710 H₂S</td>
</tr>
<tr>
<td>KB292-95</td>
<td>HPHT (325°F), Retrievable, Extreme Extrusion Resistant</td>
</tr>
<tr>
<td>FKM</td>
<td></td>
</tr>
<tr>
<td>VA298-90</td>
<td>General Purpose (425°F), Extrusion Resistant</td>
</tr>
<tr>
<td>VG109-90</td>
<td>HPHT (450°F), ISO 23936-2 RGD, Fluid Resistant, Extrusion Resistant</td>
</tr>
<tr>
<td>VA275-95</td>
<td>HPHT (425°F), ISO 23936-2 RGD, Extreme Extrusion Resistant</td>
</tr>
<tr>
<td>FEPM</td>
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</tr>
<tr>
<td>V1041-85</td>
<td>HPHT (425°F), ISO 23936-2 RGD, Norsok M-710 H₂S</td>
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<tr>
<td>FFKM</td>
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<tr>
<td>FF582-90</td>
<td>HPHT (572°F), ISO 23936-2 RGD, Extreme Fluid Resistant</td>
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<tr>
<td>EPDM</td>
<td></td>
</tr>
<tr>
<td>E0962-90</td>
<td>Geothermal (500°F), Extrusion Resistant</td>
</tr>
</tbody>
</table>
Parker is committed to providing robust and reliable solutions to the most challenging downhole environments. Parker utilizes Finite Element Analysis (FEA) and extensive material and functional testing to provide you with robust elements for your application.

HPHT Packing Elements

Engineered Backup Systems

Retrievable
Integrated springs provide sealing support for large extrusion gaps and allow the tool to be unset and pulled out of the hole.

Metal Mesh
Metal mesh end elements provide excellent extrusion resistance in HPHT conditions with small to medium extrusion gaps.

Drillable
Composite backup systems facilitate fast drill out time.

High Expansion Petal Systems
High expansion permanent backup system provides extrusion resistance in high expansion and oblong well applications.

Custom Element Designs
Parker specializes in providing new-to-world designs to meet your unique applications.
Quality and Manufacturing
High Performance and Long Life

Parker Engineered Seals Division is a leading manufacturer of packing elements for drilling and completion applications. Parker has over 50 years’ experience providing custom molded elastomeric products.

Our state of the art facility is capable of processing tough, high viscosity materials designed for use in the oil field. Our packing elements are produced on dedicated presses optimized for typical oil field production volumes and complex part configurations.

Parker’s vertically integrated manufacturing fully controls the workflow from material formulation and raw material purchasing, to compound mixing, molding, and finishing operations.

Engineers at Parker recognize the quality of a product is graded by its function in the field rather than the datasheet accompanying the product.

The quality of our packer elements go beyond what can be seen on the surface. Parker Engineered Seals Division offers services such as CT and X-Ray scanning, which provide core analysis on packing elements.

At Engineered Seals Division our goal is to meet our customers’ specifications and to provide complete customer satisfaction on every shipment.

Parker provides permanent part marking without compromising the seal integrity. Permanent part marking enables part level traceability and provides a visual aid for assembly. Company logos, part numbers, material, and other traceability information can be identified on most products.