Excellent wear and frictional performance, even in low lubrication situations
Stable operation in transmission temperature range -40°C to 150°C
Dimensional stability under typical PV values of CVTs, wet DCTs and high-torque ATs
Thermal expansion matching with cast aluminum housing
Ability to operate on low-hardened transmission materials
Chemically resistant against various ATFs with EP additives

Following the trends in the automotive industry, the key engineering requirements for sealing applications have become increasingly demanding. Selecting the right material is a key criteria to cost-effectively ensure reliable operation in high-load, high-temperature spaces, improve efficiency and enable smooth assembly.

VICTREX™ PEEK AS110
VICTREX™ PEEK 150FC30
VICTREX™ PEEK 150FW30
VICTREX WG™ 101
VICTREX WG™ 102

SELECT FROM A RANGE OF GRADES FOR YOUR SEALING APPLICATION
HIGHLY EFFICIENT TRANSMISSION SEAL RING MATERIALS

Depending on your individual application requirements, Victrex offers a selection of grades for use in seal rings.

### MATERIAL PROPERTIES

<table>
<thead>
<tr>
<th></th>
<th>ISO 527 23°C</th>
<th>ISO 527 Break 23°C</th>
<th>ISO 604 Break 23°C</th>
<th>ISO 11359 along flow &lt; Tg</th>
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<tbody>
<tr>
<td></td>
<td>Tensile Modulus MPa</td>
<td>Elongation %</td>
<td>Compressive Strength MPa</td>
<td>CLTE ppm/K</td>
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<tr>
<td>VICTREX™ PEEK AS110</td>
<td>4.7</td>
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<td>VICTREX™ PEEK 150FC30</td>
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<tr>
<td>VICTREX™ PEEK 150FW30</td>
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<tr>
<td>VICTREX WG™ 101</td>
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<tr>
<td>VICTREX WG™ 102</td>
<td>19.5</td>
<td>2</td>
<td>250</td>
<td>9</td>
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</tbody>
</table>

**CONTROLLED LEAKAGE PERFORMANCE WITHIN TIGHT TOLERANCES**

Tight dimensional tolerances are a key requirement to ensure controlled leakage in reliable and high-performing seal rings. With a proven track record in transmission sealing applications, VICTREX™ PEEK polymer has been found to offer:

- 🍊 High-temperature resistance and low thermal expansion
- 🕒 Excellent compressive strength and wear properties
- 🐛 Efficient injection moulding process - no need for annealing
- 🤑 Ease of assembly – different grades for a range of diameter requirements

As a global high-performance polymer solutions provider, Victrex serves more than 40 geographies worldwide across the automotive, aerospace, medical, electronics, industrial and energy markets.

VICTREX™ PEEK is regarded as one of the highest performing engineering thermoplastics in the world, and is used by leading companies to develop fuel-efficient automobiles and aeroplanes, advanced medical devices, next generation technology and tools for the harshest environments.

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