PEEK (P-71)

P-71 is a medical and pharmaceutical grade, high performance polymer that is certified to meet USP Class VI standards. USP Class VI has the most stringent testing of the six classifications of plastics. USP Class VI is widely used and accepted in the medical products industry as the minimum requirement that a raw material must meet to be considered for use in health care applications.

P-71 is suitable for repeated sterilization via gamma radiation, EtO, and steam with minimum deterioration of properties.

Chemical Compatibility
P-71 polymer is one of the most chemically resistant polymers available. P-71 displays excellent chemical resistance, confirmed by 30-day exposure to simulated body fluid environments, using sodium chloride solution, glycerol, vegetable oil, and an alcohol, with no adverse influence on the mechanical properties of the material.

FDA compliance
P-71 is “FDA compliant.” (Request Research Report 50-640 for Bal Seal’s definition of FDA compliant).

Mechanical Properties
The mechanical properties of P-71 at ambient temperatures are:

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength</td>
<td>ISO 527 Type 1B</td>
</tr>
<tr>
<td>Elongation</td>
<td>ISO 527 Type 1B</td>
</tr>
</tbody>
</table>

Color
Gray

Cost
$$$$$

Advantages of P-71
- FDA compliant
- Can be sterilized via Gamma, EtO, and steam.
- Excellent chemical compatibility

Other Information
For additional information, please contact our Technical Sales Representative at (949) 460-2100. Bal Seal maintains a vast library of material references and testing information.