High-Performance Polymer Blend (P170 HT)

P170 HT is a high-performance polymer blend, designed for sealing viscous and abrasive materials in scraping applications at elevated temperatures.

P170 HT exhibits high temperature and extrusion resistance, and has an operating temperature range from –70 °F to +600 °F (–57 °C to +316 °C) under dynamic conditions. It is not recommended for sealing in applications below 150 °F (65 °C).

Chemical Compatibility
P170 HT offers excellent chemical resistance to most fluids and gases; however, it is not recommended for use with sulfuric and nitric acids.

FDA Compliance
P170 HT is not FDA compliant.

<table>
<thead>
<tr>
<th>Mechanical Property</th>
<th>Test Criteria</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile Strength (typical)</td>
<td>ASTM D638</td>
<td>16,500 PSI</td>
</tr>
<tr>
<td>Elongation (typical)</td>
<td>ASTM D638</td>
<td>6%</td>
</tr>
<tr>
<td>Coefficient of Friction (typical)</td>
<td>Bal Seal Method MT-56 (Tested at 20 FPM/1000 psi)</td>
<td>0.50</td>
</tr>
</tbody>
</table>

Color
Dark Brown

Advantages of P170 HT
- Superior tensile strength
- Excellent extrusion resistance
- Excellent chemical compatibility
- Performs in temperatures up to 600 °F (316 °C), depending upon the application

Typical applications for P170 HT include
- Hot melt/glue gun applications
- Scraping applications at elevated temperatures
- Sealing viscous materials at elevated temperatures

For more information, contact a technical sales representative, or e-mail us at sales@balseal.com.