High-Performance Polymer (P-41 HT)

P-41 HT is suitable for sealing viscous and abrasive materials in scraping-action applications at elevated temperatures. **P-41 HT** performs well in low surface-speed applications, and has superior tensile strength and excellent chemical compatibility.

**P-41 HT** has high temperature and extrusion resistance, but has limited flexibility at temperatures below 200 °F (93°C). **P-41 HT** is recommended for scraping applications that require higher extrusion resistance and longer life. Operating temperatures range from –70 °F to +550 °F (-57 °C to +288 °C).

**Chemical Compatibility**
P-41 HT has excellent chemical compatibility, but is not recommended for use with strong acids, such as nitric, sulfuric and hydrofluoric acids. For more details, reference Technical Report TR-60A in our online technical library at www.balseal.com.

**FDA Compliance**
P-41 HT is made from an “FDA compliant” resin for use in food contact applications.

**Radiation Resistance**
Suitable to 10⁹ rads.

**Mechanical Properties**
The mechanical properties of **P-41 HT** at ambient temperatures are:

- Tensile strength: ASTM D638 14,000 psi Min. (982 kg/cm²)
- Elongation: ASTM D638 25% Min

**Color**
Beige

**Advantages of P-41 HT**
- Superior tensile strength
- Excellent extrusion resistance
- Excellent chemical compatibility
- Excellent temperature stability to 500°F (260°C)

**Other Information**
For additional information, please contact a Technical Sales Representative at (949) 460-2100. We maintain a vast library of material references and testing information.