PRODUCT DESCRIPTION:
Protolabs Titanium material is used in our DMLS process. Also known as Ti 6-4, this workhorse alloy of titanium contains 6% Aluminum and 4% Vanadium. It is light-weight, high strength, and has excellent high-temperature and corrosion resistance.

APPLICATIONS:
Due to its light-weight, high strength, and excellent high-temperature and corrosion resistance, Titanium is often used for aerospace applications. The ELI (Extra Low Interstitial) grade is a high-purity grade of Ti 6-4, making it an excellent choice for medical applications as well.

PROPERTIES:

<table>
<thead>
<tr>
<th>Standard</th>
<th>Ultimate Tensile Strength (ksi)</th>
<th>0.2% Yield (ksi)</th>
<th>Elongation (%)</th>
<th>Hardness (HRC)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM F3001-13</td>
<td>124.7</td>
<td>115.3</td>
<td>10</td>
<td>39</td>
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</tbody>
</table>

KEY PRODUCT BENEFITS
- Light-weight
- High Strength
- Excellent High-temperature and Corrosion Resistance