Agilus30
POLYJET MATERIAL SPECIFICATIONS

Highlights
- Rubber-like, elastomeric material available in translucent and black colors
- Well suited for precise models, complex shapes and intricate details
- Smooth surface finish
- Durable and tear resistant, able to withstand repeated flexing and bending
- Ideal for design validation and rapid prototyping
- Also available in Shore A values of 40A, 50A, 60A, 70A, 85A and 95A**

Applications
- Realistic simulation of rubber parts
- Soft-touch parts and non-slip surfaces
- Rubber-like surrounds and over molding
- Knobs, grips, seals, gaskets, hoses, handles, etc.
- Footwear and clothing (wearables)
- Masks and covers
- Living hinges
- Jigs and fixtures
- Human anatomy (heart and vasculature)

AGILUS30 (FLX 2040) AND AGILUS30 BLACK (FLX9840)

<table>
<thead>
<tr>
<th>MECHANICAL PROPERTIES</th>
<th>TEST METHOD</th>
<th>ENGLISH</th>
<th>METRIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color/ Appearance</td>
<td>Visual</td>
<td>Black &amp; Translucent</td>
<td>Black &amp; Translucent</td>
</tr>
<tr>
<td>Tensile Strength</td>
<td>ASTM D412</td>
<td>348-450 psi</td>
<td>2.4-3.1 MPa</td>
</tr>
<tr>
<td>Elongation @ Break</td>
<td>ASTM D412</td>
<td>220-270%</td>
<td>220-270%</td>
</tr>
<tr>
<td>Compressive Set</td>
<td>ASTM D395</td>
<td>6-7%</td>
<td>6-7%</td>
</tr>
<tr>
<td>Tensile Tear Resistance</td>
<td>ASTM D624</td>
<td>28-39 lb/in</td>
<td>5-7 Kg/cm</td>
</tr>
<tr>
<td>Shore Hardness</td>
<td>ASTM D2240</td>
<td>30-35 Scale A</td>
<td>30-35 Scale A</td>
</tr>
<tr>
<td>Polymerized Density</td>
<td>ASTM D792</td>
<td>—</td>
<td>1.14-1.15 g/cm³</td>
</tr>
</tbody>
</table>

**Mechanical properties will change based on Shore A value

The information presented represents typical values intended for reference and comparison purposes only. It should not be used for design specifications or quality control purposes. End-use material performance can be impacted (+/-) by, but not limited to, part design, end-use conditions, test conditions, color etc. Actual values will vary with build conditions. Product specifications are subject to change without notice.

The performance characteristics of these materials may vary according to application, operating conditions, or end use. Each user is responsible for determining that the material is safe, lawful, and technically suitable for the intended application. Stratasys makes no warranties of any kind, express or implied, including, but not limited to, the warranties of merchantability, fitness for a particular use, or warranty against patent infringement.