Welcome to our comprehensive guide on caring for your 3D printed designs created using the Stratasys J850 TechStyle™ powered by 3DFashion™ technology. With the use of industry-certified, semi-flexible VeroEco™ Flex materials in full color, including black, white, clear, cyan, magenta and yellow, these designs bring your imagination to life. To ensure their longevity, it is essential to follow proper care instructions when washing and handling. In this guide we will provide you with data and valuable tips on washing and handling your designs, ensuring that they maintain their brilliance and quality over time.

**General Instructions**

<table>
<thead>
<tr>
<th>Material Name</th>
<th>VeroEco™ Flex Materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material Density</td>
<td>1.14 - 1.15 g/cm³</td>
</tr>
<tr>
<td>Composition</td>
<td>Acrylic Photopolymer</td>
</tr>
<tr>
<td>Area of Use</td>
<td>Fashion, Accessories and Automotive: Fabrics, Leather, Garments and Footwear</td>
</tr>
</tbody>
</table>

**Washing Instruction**

- **Machine Washing:**
  - For items that can be machine washed, use a delicate or gentle cycle. It's recommended to turn the garment inside out to protect the outer surface.
  - Depending on the delicacy of the print graphics and the garment, it is recommended to limit washing cycles to up to 25 in total.

- **Hand Washing:**
  - Many luxury items, especially those made of delicate fabrics like silk, lace, or cashmere, should be hand-washed. Use a gentle detergent and cold water. Gently stir the water and avoid wringing or twisting the garment.

**Other instructions**

- Wash inside out, as directed in the care instructions.
- Inspect the garment carefully for any loose threads or areas that may require extra care during washing.
- Avoid using harsh chemicals, such as bleach, as they can damage the material and colors.
- Line dry or hang dry as instructed to prevent shrinkage or damaging the garment.
- Iron as necessary, using a low heat setting to avoid damage to the print graphics.
### Physical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Standard</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile strength, (MPa)</td>
<td>ASTM D-412</td>
<td>7.3 – 14.4*</td>
</tr>
<tr>
<td>Tearing strength, (N/m)</td>
<td>ASTM D-624</td>
<td>11957.5- 18513.7*</td>
</tr>
<tr>
<td>Shore A</td>
<td>ASTM D-2240</td>
<td>85-90*</td>
</tr>
<tr>
<td>Color Fastness to Rubbing</td>
<td>ISO11640:2018</td>
<td>Dry 150 rubs*</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Wet 50 rubs</td>
</tr>
<tr>
<td>Abrasion resistance (Martindale)</td>
<td>ISO12947-2:2016</td>
<td>&gt;25,600 revs**</td>
</tr>
<tr>
<td>Color fastness to light</td>
<td>ISO 105-B02:2014</td>
<td>&gt;BWS 4*</td>
</tr>
<tr>
<td>Color Fastness to Washing (Cotton, polyester, 50%/50%, and Linen) 60ºC, min.</td>
<td>ISO 105-C06:2010 C2S 60oC (SC)</td>
<td>GSR 4-5**</td>
</tr>
</tbody>
</table>

*Based on average results for Black, White, Clear, Magenta, Cyan, and Yellow materials

**Accurate for all tested samples

Images credits:
- Flower Of Life by Ada Hefetz (Wedding dress)
- Unfolding The Fold by Arantza Vilas
- 3D Printed Swatches by Travis Fitch

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