

# Agilus30



## PolyJet Rubberlike Material

Agilus30™ is a superior rubberlike PolyJet™ photopolymer family ideal for advanced design verification and rapid prototyping. Get more durable, tear-resistant prototypes that can stand up to repeated flexing and bending. With a Shore A value of 30 in clear, black and white, Agilus30 accurately simulates the look, feel and function of rubber-like products. 3D print rubber surrounds, overmolds, soft-touch coatings, living hinges, jigs and fixtures, wearables, grips and seals with improved surface texture.

| Mechanical Properties   | Test Method | Value                            |                                |
|-------------------------|-------------|----------------------------------|--------------------------------|
|                         |             | Black / Translucent              | White                          |
| Tensile Strength        | ASTM D-412  | 2.4 – 3.1 MPa<br>(348 – 450 psi) | 2.1-2.6 MPa<br>(305 – 377 psi) |
| Elongation at Break     | ASTM D-412  | 220 – 270%                       | 185 – 230%                     |
| Compressive Set         | ASTM D-395  | 6 – 7%                           | 6 – 7%                         |
| Tensile Tear Resistance | ASTM D-624  | 4 – 7 Kg/cm<br>(22 – 39 lb/in)   | 4 – 7 Kg/cm<br>(22 – 39 lb/in) |

  

| Other               | Test Method | Value                         |                               |
|---------------------|-------------|-------------------------------|-------------------------------|
|                     |             | Black / Translucent           | White                         |
| Shore Hardness      | ASTM D-2240 | 30 – 35 Scale A               | 30 – 40 Scale A               |
| Polymerized Density | ASTM D-792  | 1.14 – 1.15 g/cm <sup>3</sup> | 1.14 – 1.15 g/cm <sup>3</sup> |

  

| System Availability   | Layer Thickness Capability  | Support Structure   | Available Color   |
|---|---|---|---|
| <a href="#">Objet260/350/500</a><br><a href="#">Connex1/2/3™</a>    | High Speed mode:<br>30 microns (0.0012 in.)   | SUP705 (WaterJet removable)<br>SUP706B (soluble + WaterJet removable) | <input type="checkbox"/> Translucent  |
| <a href="#">Stratasys J735™/</a><br><a href="#">Stratasys J750™</a> | High Speed mode:<br>27 microns (0.0011 in.)   | SUP705 (WaterJet removable)<br>SUP706B (soluble + WaterJet removable) | <input checked="" type="checkbox"/> Black<br><input type="checkbox"/> Translucent<br><input type="checkbox"/> White |
| J4100™  | High Speed mode:<br>27 microns (0.001 in.)  | SUP705 (WaterJet removable)   | <input checked="" type="checkbox"/> Black<br><input type="checkbox"/> Translucent                                   |
| J826™ Prime / J835™ Prime /<br>J850™ Prime / J850 Pro               | High Quality mode:<br>14 microns (0.00055 in.)<br>High Mix mode:<br>27 microns (0.001 in.)<br>High Speed mode:<br>27 microns (0.0011 in.)<br>Super High Speed mode <sup>1</sup> :<br>55 microns (0.002 in.) | SUP705 (WaterJet removable)<br>SUP706B (soluble + WaterJet removable) | <input checked="" type="checkbox"/> Black<br><input type="checkbox"/> Translucent<br><input type="checkbox"/> White |

1 - Not available on the J826 Prime.

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ISO 9001:2015 Certified

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