



# 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)

MECHANICAL PROPERTIES	TEST METHOD	ENGLISH	METRIC
<b>Color/ Appearance</b>	Visual	Black & Translucent	Black & Translucent
<b>Tensile Strength</b>	ASTM D412	348-450 psi	2.4-3.1 MPa
<b>Elongation @ Break</b>	ASTM D412	220-270%	220-270%
<b>Compressive Set</b>	ASTM D395	6-7%	6-7%
<b>Tensile Tear Resistance</b>	ASTM D624	28-39 lb/in	5-7 Kg/cm
<b>Shore Hardness</b>	ASTM D2240	30-35 Scale A	30-35 Scale A
<b>Polymerized Density</b>	ASTM D792	—	1.14-1.15 g/cm <sup>3</sup>

\*\*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.

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