



# 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
Color/ Appearance	Visual	Black & Translucent	Black & Translucent
Tensile Strength	ASTM D412	348-450 psi	2.4-3.1 MPa
Elongation @ Break	ASTM D412	220-270%	220-270%
Compressive Set	ASTM D395	6-7%	6-7%
Tensile Tear Resistance	ASTM D624	28-39 lb/in	5-7 Kg/cm
Shore Hardness	ASTM D2240	30-35 Scale A	30-35 Scale A
Polymerized Density	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.

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.