

Agilus30

PolyJet Rubber-Like Material

[Agilus30™](#) is a superior Rubber-like [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 (348 – 450 psi) | 2.1-2.6 MPa (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 (22 – 39 lb/in) | 4 – 7 Kg/cm (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 ³ | 1.14 – 1.15 g/cm ³ |

| System Availability | Layer Thickness Capability | Support Structure | Available Color |
|---|--|---|--|
| Objet260/350/500 Connex1/2/3™ Stratasys J735™/ Stratasys J750™ | High Speed mode: 30 microns (0.0012 in.) | SUP705 (WaterJet removable) SUP706B (soluble + WaterJet removable) | <input checked="" type="checkbox"/> Black <input type="checkbox"/> Translucent <input type="checkbox"/> White ¹ |

¹ Stratasys J735 and Stratasys J750 only.

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