

Agilus30



PolyJet Rubberlike Material

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

| Mechanical Properties | Test Method | Value | | |
|-------------------------|-------------|----------------------------------|--------------------------------|--------------------------------|
| | | Black / Translucent | White | Cyan/Magenta/Yellow |
| Tensile Strength | ASTM D-412 | 2.4 – 3.1 MPa (348 – 450 psi) | 2.1-2.6 MPa (305 – 377 psi) | 2.2 – 2.6MPa (319-377 psi) |
| Elongation at Break | ASTM D-412 | 220 – 270% | 185 – 230% | 315 - 335% |
| Compressive Set | ASTM D-395 | 6 – 7% | 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) | 4.1-4.4 kg/cm (23-25 lb/in) |

| Other | Test Method | Value | | |
|---------------------|-------------|-------------------------------|-------------------------------|-------------------------------|
| | | Black / Translucent | White | Cyan/Magenta/Yellow |
| Shore Hardness | ASTM D-2240 | 30 – 35 Scale A | 30 – 40 Scale A | 28-33 Scale A |
| Polymerized Density | ASTM D-792 | 1.14 – 1.15 g/cm ³ | 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™ | High Speed mode: 30 microns (0.0012 in.) | SUP705 (WaterJet removable) SUP706B (soluble + WaterJet removable) | <input type="checkbox"/> Translucent |
| Stratasys J735™/ Stratasys J750™ | High Speed mode: 27 microns (0.0011 in.) | SUP705 (WaterJet removable) SUP706B (soluble + WaterJet removable) | <input checked="" type="checkbox"/> Black <input type="checkbox"/> Translucent <input type="checkbox"/> White <input checked="" type="checkbox"/> Cyan <input checked="" type="checkbox"/> Magenta <input checked="" type="checkbox"/> Yellow |
| J4100™ | High Speed mode: 27 microns (0.001 in.) | SUP705 (WaterJet removable) | <input checked="" type="checkbox"/> Black <input type="checkbox"/> Translucent |
| J826™ Prime / J835™ Prime / J850™ Prime / J850 Pro | High Quality mode: 14 microns (0.00055 in.) High Mix mode: 27 microns (0.001 in.) High Speed mode: 27 microns (0.0011 in.) | SUP705 (WaterJet removable) SUP706B (soluble + WaterJet removable) | <input checked="" type="checkbox"/> Black <input type="checkbox"/> Translucent <input type="checkbox"/> White <input checked="" type="checkbox"/> Cyan <input checked="" type="checkbox"/> Magenta <input checked="" type="checkbox"/> Yellow |



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