

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 <input checked="" type="checkbox"/> Black
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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