

Agilus30



PolyJet Rubberlike Material

Agilus30™ is a superior rubberlike 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™	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
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.) Super High Speed mode ¹ : 55 microns (0.002 in.)	SUP705 (WaterJet removable) SUP706B (soluble + WaterJet removable)	<input checked="" type="checkbox"/> Black <input type="checkbox"/> Translucent <input type="checkbox"/> White

1 - Not available on the J826 Prime.

Stratasys Headquarters

7665 Commerce Way,
Eden Prairie, MN 55344
+1 800 801 6491 (US Toll Free)
+1 952 937-3000 (Intl)
+1 952 937-0070 (Fax)

stratasys.com

ISO 9001:2015 Certified

1 Holtzman St., Science Park,
PO Box 2496
Rehovot 76124, Israel
+972 74 745 4000
+972 74 745 5000 (Fax)

(주) 티모스 - 한국 공식 파트너
경기도 광명시 하안로 60 C동 1108호
(소하동, 광명테크노파크)
+82 2 6297 5750
www.thymos.co.kr
3dp@thymos.co.kr

