



Tango

POLYJET SIMULATED RUBBER MATERIAL

Flexible Tango™ material exhibits rubber-like qualities to simulate soft-touch coatings, non-slip surfaces, overmolding grips, shoe soles and other applications requiring flexible characteristics. Tango material is available in black, gray and translucent colors, and in a range of Shore A hardness values comparable to rubber bands, tire treads and shoe heels.



TO LEARN MORE ABOUT TANGO VISIT [STRATASYS.COM](https://www.stratasys.com)



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At the core: PolyJet™ Technology

PolyJet technology creates precise prototypes that set the standard for finished-product realism. Their fine resolution makes complex shapes, intricate details and smooth surfaces possible. PolyJet 3D Printing works by jetting layers of liquid photopolymer onto a build tray and instantly curing them with UV light. The fine layers build up to create a precise 3D model or prototype. Models are ready to handle right out of the 3D printer, with no post curing needed.

Keep valuable resources in-house

You'll be amazed when you see how easy it is to produce realistic models in-house. PolyJet 3D Printers offer not only unparalleled speed, they make it easy for you to print with the widest range of material properties.

No special facilities needed

You can install PolyJet 3D Printers just about anywhere. No special venting is required because PolyJet 3D Printers don't produce noxious fumes, chemicals or waste.

Good ideas sell easier

PolyJet 3D Printers improve communication and collaboration because they produce amazingly accurate representations of your ideas that you can share with your team and your clients for a faster, more confident buy-in.

TangoBlackPlus FLX980 and TangoPlus FLX930

	ASTM	METRIC	ENGLISH
Tensile Strength	D-412	0.8-1.5 MPa	115-220 psi
Elongation at Break	D-412	170-220%	170-220%
Compressive Set	D-395	4-5%	4-5%
Shore Hardness (A)	D-2240	26-28 Scale A	26-28 Scale A
Tensile Tear Resistance	D-624	2-4 Kg/cm	18-22 lb/in
Polymerized Density	D-792	1.12-1.13 g/cm³	

TangoBlack FLX973

	ASTM	METRIC	ENGLISH
Tensile Strength	D-412	1.8-2.4 MPa	115-220 psi
Elongation at Break	D-412	45-55%	45-55%
Compressive Set	D-395	0.5-1.5%	0.5-1.5%
Shore Hardness (A)	D-2240	60-62 Scale A	60-62 Scale A
Tensile Tear Resistance	D-624	3-5 Kg/cm	18-24 lb/in
Polymerized Density	D-792	1.14-1.15 g/cm³	

TangoGray FLX950

	ASTM	METRIC	ENGLISH
Tensile Strength	D-412	3-5 MPa	435-725 psi
Elongation at Break	D-412	45-55%	45-55%
Compressive Set	D-395	0.5-1.5%	0.5-1.5%
Shore Hardness (A)	D-2240	73-77 Scale A	73-77 Scale A
Tensile Tear Resistance	D-624	8-12 Kg/cm	50-60 lb/in
Polymerized Density	D-792	1.16-1.17 g/cm³	

SYSTEM AVAILABILITY	LAYER THICKNESS CAPABILITY	SUPPORT STRUCTURE	AVAILABLE COLORS
Objet30 Prime™	28 microns	SUP705 (WaterJet removable) SUP706 (Soluble)	Black, Gray
Objet260/500 Connex1™	16 microns	SUP705 (WaterJet removable) SUP706 (Soluble)	Black, Gray, Translucent
Objet260/350/500 Connex3™	16 microns		Black, Gray, Translucent
Stratasys J735™, Stratasys J750™	14 microns		Black, Gray, Translucent
Objet1000 Plus™	16 microns	SUP705 (WaterJet removable)	Black, Translucent



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ISO 9001:2008 Certified

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)	☒ Black ☐ Translucent ☐ White ¹

¹ Stratasys J735 and Stratasys J750 only.



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