

Objet Additional Materials

Objet VeroWhitePlus - rigid, white material*

Property	ASTM	Metric		Imperial	
Tensile Strength	D-638-03	MPa	50-65	psi	7,250-9,450
Modulus of Elasticity	D-638-04	MPa	2000-3000	psi	290,000-435,000
Elongation at Break	D-638-05	%	10-25	%	10-25
Flexural Strength	D-790-03	MPa	75-110	psi	11,000-16,000
Flexural Modulus	D-790-04	MPa	2,200-3,200	psi	320,000-465,000
Izod Notched Impact	D-256-06	J/m	20-30	ft lb/in	0.375-0.562
HDT at 0.45 MPa	D-648-06	°C	45-50	°F	113-122
Water Absorption	D570-98 24 Hr	%	1.1-1.5	%	1.1-1.5

Objet VeroClear - rigid, clear, transparent material*

Property	ASTM	Metric		Imperial	
Tensile Strength	D-638-03	MPa	50-65	psi	7,250-9,450
Modulus of Elasticity	D-638-04	MPa	2,000-3,000	psi	290,000-435,000
Elongation at Break	D-638-05	%	10-25	%	10-25
Flexural Strength	D-790-03	MPa	75-110	psi	11,000-16,000
Flexural Modulus	D-790-04	MPa	2,200-3,200	psi	320,000-465,000
Izod Notched Impact	D-256-06	J/m	20-30	ft lb/in	0.375-0.562
HDT at 0.45 MPa	D-648-06	°C	45-50	°F	113-122
Water Absorption	D570-98 24 Hr	%	1.1-1.5	%	1.1-1.5

Objet RGD525 - High temperature material*

Property	ASTM	Metric		Imperial	
Tensile Strength	D-638-03	MPa	70-80	psi	10,000-11,5000
Modulus of Elasticity	D-638-04	MPa	3,200-3,500	psi	465,000-510,000
Elongation at Break	D-638-05	%	10-15	%	10-15
Flexural Strength	D-790-03	MPa	110-130	psi	16,000-19,000
Flexural Modulus	D-790-04	MPa	3,100-3,500	psi	450,000-510,000
Izod Notched Impact	D-256-06	J/m	14-16	ft lb/in	0.262-0.300
HDT at 0.45 MPa	D-648-06	°C	63-67	°F	145-163
HDT at 0.45MPa after post curing	D-648-06	°C	75-80	°F	167-176
Water Absorption	D570-98 24 Hr	%	1.2-1.4	%	1.2-1.4

Objet Additional Digital Materials™

Objet RGD5160-DM - ABS-like Digital Material Made of Objet RGD515 and Objet RGD535*

Property	ASTM	Metric		Imperial	
Tensile Strength	D-638-03	MPa	55-60	psi	8,000-8,700
Modulus of Elasticity	D-638-04	MPa	2,600-3,000	psi	375,000-435,000
Elongation at Break	D-638-05	%	25-40	%	25-40
Flexural Strength	D-790-03	MPa	65-75	psi	9,500-11,000
Flexural Modulus	D-790-04	MPa	1,700-2,200	psi	245,000-320,000
Izod Notched Impact	D-256-06	J/m	65-80	ft lb/in	1.22-1.50
HDT at 0.45 MPa	D-648-06	°C	58-68	°F	136-154
HDT at 0.45MPa after post curing	D-648-06	°C	82-90	°F	180-194

Note: Expect property variations when parts include wall thickness of 1.2 mm or below

Primary material: Objet VeroWhitePlus Secondary material: Objet TangoBlackPlus*

RIGID

Property	ASTM	UNIT	DM 8505 Gray20 DM 8510 Gray25 DM 8515 Gray35 DM 8520 Gray40	DM 8525 Grey50	DM 8530 Grey60
Tensile Strength	D-638-03	MPa	40-60	35-45	29-38
Modulus of Elasticity	D-638-04	MPa	1,700-2,300	1,400-2,000	1,100-1,700
Elongation at Break	D-638-05	%	15-25	20-30	25-35
Flexural Strength	D-790-03	MPa	55-75	45-60	35-45
Flexural Modulus	D-790-04	MPa	1,500-2,500	1,400-1,800	1,200-1,500
Izod Notched Impact	D-256-06	J/m	22-35	25-35	21-40
HDT at 0.45 MPa	D-648-06	°C	40-45	40-43	38-41

Primary material: Objet TangoBlackPlus Secondary material: Objet VeroWhitePlus*

FLEXIBLE

Property	ASTM	UNIT	DM 9840	DM 9850	DM 9860	DM 9870	DM 9885	DM 9895
Tensile Strength	D-412	MPa	1.3-1.8	1.9-3.0	2.5-4.0	3.5-5.0	5.0-7.0	8.5-10.0
Elongation at Break	D-412	%	110-130	95-110	75-85	65-80	55-65	35-45
Tensile Tear Resistance	D-624-Die C	N/mm	5.5-7.5	7.5-9.5	11-13	15.5-17.5	23-25	41-44
Hardness Shore A	D-2240	MPa	35-40	45-50	57-63	68-72	80-85	92-95

Primary material: Objet VeroWhitePlus
Secondary material: Objet TangoPlus*

RIGID

Property	ASTM	UNIT	DM 8425	DM 8430
Tensile Strength	D-638-03	MPa	35-45	29-38
Modulus of Elasticity	D-638-04	MPa	1,400-2,000	1,100-1,700
Elongation at Break	D-638-05	%	20-30	25-35
Flexural Strength	D-790-03	MPa	45-60	35-45
Flexural Modulus	D-790-04	MPa	1,400-1,800	1,200-1,500
Izod Notched Impact	D-256-06	J/m	25-35	21-40
HDT at 0.45 MPa	D-648-06	°C	40-43	38-41

Primary material: Objet TangoPlus
Secondary material: Objet VeroWhitePlus*

FLEXIBLE

Property	ASTM	UNIT	DM 9740	DM 9750	DM 9760	DM 9770	DM 9785	DM 9795
Tensile Strength	D-412	MPa	1.3-1.8	1.9-3.0	2.5-4.0	3.5-5.0	5.0-7.0	8.5-10.0
Elongation at Break	D-412	%	110-130	95-110	75-85	65-80	55-65	35-45
Tensile Tear Resistance	D-624-Die C	N/mm	5.5-7.5	7.5-9.5	11-13	15.5-17.5	23-25	41-44
Hardness Shore A	D-2240		35-40	45-50	57-63	68-72	80-85	92-95

Objet Family of 3D Printing Systems



Objet Desktop Family

Affordable Desktop 3D Printing Systems



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World's Only Multi-material 3D Printing Systems

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ABOUT OBJET GEOMETRIES

Objet Geometries Ltd., the innovation leader in 3D printing for rapid prototyping and additive manufacturing, provides 3D printing systems that enable manufacturers and industrial designers to reduce cost of product development and dramatically shorten time-to-market of new products.

Objet's ultra-thin-layer, high-resolution 3D printing systems and materials utilize PolyJet™ polymer jetting technology, to print ultra-thin 16-micron layers. The market-proven Objet Eden™ line of 3D Printing Systems and the Objet24 and Objet30 Desktop 3D printers are based on Objet's patented office-friendly PolyJet™ Technology. The Objet Connex™ family is based on Objet's PolyJet Matrix Technology, which jets multiple model materials simultaneously and creates

composite Digital Materials™ on the fly. All Objet systems use Objet's FullCure® materials to create accurate, clean, smooth, and highly detailed 3D parts.

Objet systems are in use by world leaders in many industries, such as Education, Medical / Medical Devices & Dental, Consumer Electronics, Automotive, toys, consumer goods, and footwear industries in North America, Europe, Asia, Australia, and Japan.

Founded in 1998, Objet serves its growing worldwide customer base through offices in USA, Mexico, Europe, Japan, China and Hong Kong, and a global network of distribution partners. Objet owns more than 50 patents and patent pending inventions. For more information, visit us at www.objet.com

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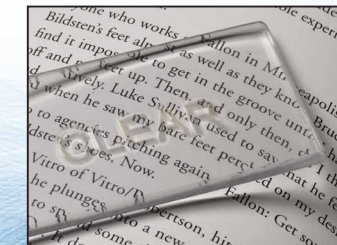
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 rigid, white material



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Objet RGD5160-DM:
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