

Objet VeroWhitePlus (RGD835) - rigid, white material				
Property	ASTM	Metric		Imperial
Tensile Strength	D-638-03	55-60 MPa		7,250-9,450 psi
Modulus of Elasticity	D-638-04	2,000-3,000 MPa		290,000-435,000 psi
Elongation at Break	D-638-05	10-25 %		10-25 %
Flexural Strength	D-790-03	75-110 MPa		11,000-16,000 psi
Flexural Modulus	D-790-04	2,200-3,200 MPa		320,000-465,000 psi
Izod Notched Impact	D-256-06	20-30 J/m		0.375-0.562 ft lb/in
HDT at 0.45 MPa	D-648-06	45-50 °C		113-122 °F
Water Absorption	D570-98 24 Hr	1.1-1.5 %		1.1-1.5 %

Objet VeroClear (RGD810) - rigid, clear, transparent material				
Property	ASTM	Metric		Imperial
Tensile Strength	D-638-03	50-65 MPa		7,250-9,450 psi
Modulus of Elasticity	D-638-04	2,000-3,000 MPa		290,000-435,000 psi
Elongation at Break	D-638-05	10-25 %		10-25 %
Flexural Strength	D-790-03	75-110 MPa		11,000-16,000 psi
Flexural Modulus	D-790-04	2,200-3,200 MPa		320,000-465,000 psi
Izod Notched Impact	D-256-06	20-30 J/m		0.375-0.562 ft lb/in
HDT at 0.45 MPa	D-648-06	45-50 °C		113-122 °F
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	70-80 MPa		10,000-11,5000 psi
Modulus of Elasticity	D-638-04	3,200-3,500 MPa		465,000-510,000 psi
Elongation at Break	D-638-05	10-15 %		10-15 %
Flexural Strength	D-790-03	110-130 MPa		16,000-19,000 psi
Flexural Modulus	D-790-04	3,100-3,500 MPa		450,000-510,000 psi
Izod Notched Impact	D-256-06	14-16 J/m		0.262-0.300 ft lb/in
HDT at 0.45 MPa	D-648-06	63-67 °C		145-163 °F
HDT at 0.45MPa after post curing	D-648-06	75-80 °C		167-176 °F
Water Absorption	D570-98 24 Hr	1.2-1.4 %		1.2-1.4 %

Objet Family of 3D Printing Systems



Objet Desktop Family

Affordable Desktop 3D Printing Systems



Objet Eden Family

Professional Line of 3D Printing Systems



Objet Connex Family

World's Only Multi-material 3D Printing Systems

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ABOUT OBJET

Objet Ltd., is a leading provider of high quality, cost effective inkjet-based 3D printing systems and materials. A global company, Objet has offices in North America, Europe, Japan, China, Hong Kong, and India.

Objet's 3D printing systems and 3D printing materials are ideal for any company involved in the manufacture or design of physical products using 3D software or other 3D content. Companies using Objet's solutions can be typically found in sectors such as consumer goods & electronics, aerospace & defense, automotive, education, dental, medical and medical devices, architecture, industrial machinery, footwear, sporting goods, toys and service bureaus.

Founded in 1998, the company has thousands of customers worldwide including a substantial share of the relevant Fortune 100 and Fortune 500. Its award-winning technology (13 awards in 8 years) is based upon over 110 patents and patent pending inventions.

Objet's advanced 3D printing systems and range of over 100 materials enable professionals to build prototypes that accurately simulate the true look, feel and function of an end-product, even complex, assembled goods.

The Objet Connex™ line of multi-material 3D printers features the world's only technology to simultaneously jet 2 materials. With this, users can print many different materials into a single part and print various mixed parts on the same build tray. Users can also create advanced composite materials, or Digital Materials™ featuring unique mechanical and thermal properties. Objet's range of over 100 3D printing materials simulate properties ranging from rigid to rubberlike, transparent to opaque and standard to ABS-grade engineering plastics, with a large number of in-between shore grades and shades.

Objet's 3D printers are available in a range of form-factors, from cost-effective desktop 3D printers ideal for entry-level professionals all the way to industrial-scale multi-material machines for front-line designers and top manufacturers. Objet's 3D printers feature the industry's highest-resolution 3D printing quality, based on 16-micron (0.0006 in.) super-thin layering, wide material versatility, office friendliness and ease of operation.

For more information, visit us at www.objet.com, and for more about 3D printing industry-related news, business issues and trends, read the [Objet Blog](#).

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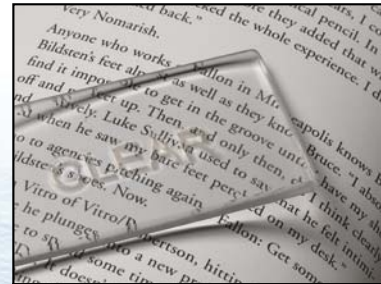


NEW Objet Materials: The Power behind your 3D Printer

Clear transparency & Engineering plastics simulation



Objet VeroWhitePlus:
rigid, white material



Objet VeroClear:
rigid, clear transparent material



Objet RGD525:
high temperature, white material



Objet RGD5160-DM:
ABS-like material

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Primary material: Objet TangoPlus (FLX930)/Objet TangoBlackPlus (FLX980)
Secondary material: Objet High Temperature (RGD525)

FLEXIBLE

Property	ASTM	UNIT	FLX9540-DM FLX9640-DM	FLX 9550-DM FLX9650-DM	FLX 9560-DM FLX9660-DM	FLX9570-DM FLX9670-DM	FLX9585-DM FLX9685-DM	FLX 9595-DM FLX9695-DM
Tensile Strength	D-412	MPa	1.3-1.8	2.0-2.8	2.8-4.0	3.8-4.9	6.0-7.3	9.0-12
Elongation at Break	D-412	%	100-130	80-100	60-80	50-70	35-50	27-40
Tensile Tear Resistance	D-624-Die C	N/mm	5.96	9.18	11	13.82	23.2	45.9
Hardness Shore A	D-2240		39-41	52-55	60-67	70-78	85-87	95-96

Primary material: Objet High Temperature (RGD525)
Secondary material: Objet TangoPlus (FLX930)

RIGID

Property	ASTM	UNIT	RGD5150-DM
Tensile Strength	D-638-03	MPa	45-60
Modulus of Elasticity	D-638-04	MPa	1700-2400
Elongation at Break	D-638-05	%	18-27
Flexural Strength	D-790-03	MPa	47-70
Flexural Modulus	D-790-04	MPa	1400-2000
Izod Notched Impact	D-256-06	J/m	16-26
HDT at 0.45 MPa	D-648-06	°C	50-56

Primary material: Objet High Temperature (RGD525)
Secondary material: Objet TangoBlackPlus (FLX980)

RIGID

Property	ASTM	UNIT	RGD5205-DM, RGD5210-DM, RGD5215-DM, RGD5220-DM, RGD5225-DM	RGD5250-DM
Tensile Strength	D-638-03	MPa	43-55	50-56
Modulus of Elasticity	D-638-04	MPa	1600-2700	1700-2400
Elongation at Break	D-638-05	%	9-15	18-27
Flexural Strength	D-790-03	MPa	50-100	47-70
Flexural Modulus	D-790-04	MPa	1700-2700	1400-2000
Izod Notched Impact	D-256-06	J/m	16-19	16-26
HDT at 0.45 MPa	D-648-06	°C	46-60	50-56

Primary material: Objet VeroWhitePlus (RGD835)/Objet VeroClear (RGD810)
Secondary material: Objet TangoBlackPlus (FLX980)

RIGID

Property	ASTM	UNIT	RGD8505-DM/RGD8705-DM RGD8510-DM/RGD8710-DM RGD8515-DM/RGD8715-DM RGD8520-DM/RGD8720-DM	RGD8525-DM/ RGD8725-DM	RGD8530-DM/ RGD8730-DM
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 (FLX980)
Secondary material: Objet VeroWhitePlus (RGD835)/Objet VeroClear (RGD810)

FLEXIBLE

Property	ASTM	UNIT	FLX9840-DM / FLX9040-DM	FLX 9850-DM/ FLX9050-DM	FLX 9860-DM/ FLX9060-DM	FLX9870-DM/ FLX9070-DM	FLX9885-DM/ FLX9085-DM	FLX 9895-DM/ FLX9095-DM
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

Primary material: Objet VeroWhitePlus (RGD835)/Objet VeroClear (RGD810)
Secondary material: Objet TangoPlus (FLX930)

RIGID

Property	ASTM	UNIT	RGD8425-DM/ RGD8625-DM	RGD8430-DM/ RGD8630-DM
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 (FLX930)
Secondary material: Objet VeroWhitePlus (RGD835)/Objet VeroClear (RGD810)

FLEXIBLE

Property	ASTM	UNIT	FLX9740-DM FLX9940-DM	FLX9750-DM FLX9950-DM	FLX9760-DM FLX9960-DM	FLX9770-DM FLX9970-DM	FLX9785-DM FLX9985-DM	FLX9795-DM FLX9995-DM
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 RGD5160-DM - ABS-like Digital Material
Made of Objet RGD515 and Objet RGD535

RIGID

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