

DentaJet™ Dental Materials

Developed for the DentaJet Series multi-material 3D printing product line, our materials are engineered to produce highly accurate and consistent dental parts at scale. Certain DentaJet materials may not be compatible with all DentaJet printer models. Verify printer compatibility before use.

MED610™ Biocompatible Clear

Rigid, transparent dental resin featuring high dimensional stability. Intended for printing surgical guides.

MED620 Biocompatible Ivory

Biocompatible VeroGlaze™ MED620 is a rigid, opaque dental resin featuring high dimensional stability and accuracy. Intended for printing dental models.

MED625FLX™ Biocompatible

Flexible, biocompatible material for temporary in-mouth placement. Ideal for gingival masks.

SUP711™

Gel like support material was specially designed to uphold overhangs and complicated geometries on DentaJet Series 3D printing LED curing process.

TrueDent™

FDA cleared (Class II) light-curable resin indicated for the fabrication of dental appliances including but not limited to removable full dentures and temporaries*.

TrueDent-D™

CE marked (Class I) light-curable resin indicated for the fabrication of full and partial dentures.

VeroDent™ PureWhite DEN847

White photopolymer that is used as single material or as a base for realistic full color models when combined with the Vero Vivid Color Family. Offers stiffness and high-quality accurate details. Intended for printing restorative and orthodontic models.

Vero Vivid Color Resins – VeroCyanV RGD845™, VeroMagentaV RGD852™, VeroYellowV RGD838™

Translucent, dimensionally stable color resins designed for the J5 DentaJet that create lifelike, full-color dental models with exceptional detail. Combine with a VeroDent™ PureWhite core for cost-efficiency. Ideal for patient presentations, treatment planning, and shade matching, these resins enhance communication between dental professionals and patients.



DentaJet™ Dental Materials

MED610 Biocompatible Clear / MED620 Biocompatible Ivory

Property	Standard/Procedure	Value
Tensile Strength (MPa)	D-638-03	40 - 55 MPa (5800-800 psi)
Elongation at break (%)	D-638-05	5 - 20%
Modulus of elasticity (MPa)	D-638-04	2,200 - 3,000 MPa (320,000 - 435,00 psi)
Flexural Strength (MPa)	D-790-03	70 - 85 MPa (10,000 - 16,000 psi)
Flexural Modulus (MPa)	D-790-04	2,000 - 2,500 MPa (290,000 - 365,000 psi)
HDT 0.45 MPa (°C)	D-648-06	45 - 50 °C (113 - 122 °F)
HDT 1.82 MPa (°C)	D-648-07	45 - 50 °C (113 - 122 °F)
Izod Notched Impact (J/M)	D-256-06	20 - 30 J/m (0.375 - 0.562 ft-lb/inch)
Water Absorption (%)	D-570-98 24HR	1.1 - 1.5%
Tg (°C)	DMA E	52 - 54 °C (126 - 129 °F)
Shore Hardness (D)	Scale D	83 - 86 (Scale D)
Rockwell Hardness (scale M)	Scale M	73 - 76
Polymerized density (gr/cm ³)	ASTM D792	1.17 - 1.18 g/cm ³
Bio-compatibility	DIN EN ISO 10993 -1:2009	Biocompatible
Support Removal Type	-	WaterJet

MED625FLX

Property	Standard/Procedure	Value
Tensile Strength (MPa)	D-412	3 - 5
Elongation at break (%)	D-412	45 - 55%
Compressive Set (%)	D-395	0.5 - 1.5%
Shore Hardness (Scale A)	D-2240	73 - 77
Tensile Tear Resistance (kg/cm)	D-624	8 - 12
Polymerized density (gr/cm ³)	D-792	1.16 - 1.17 g/cm ³
Bio-compatibility	EN ISO 10993-1	Biocompatible
Support Removal Type	-	WaterJet



DentaJet™ Dental Materials

TrueDent / TrueDent-D			
Property	Requirement	Value	Compliance
Ultimate flexural strength (MPa)	≥65	≥85	ISO 20795-1:2013
	≥50	≥94	ISO 10477:2020
Flexural modulus (MPa)	≥2000	≥2300	ISO 20795-1:2013
Water Sorption (µg/mm ³)	≤32	≤32	ISO 20795-1:2013
	≤40	≤28	ISO 10477:2020
Solubility (µg/mm ³)	≤1.6	≤1.1	ISO 20795-1:2013

TrueDent		
Part Number	Quantity	Product Description
OBJ-09164	Pack of 1	TDM100, TrueDent Clear, 1.1 KG
OBJ-09165	Pack of 1	TDM120, TrueDent Cyan, 1.1 KG
OBJ-09166	Pack of 1	TDM130, TrueDent Magenta, 1.1 KG
OBJ-09168	Pack of 1	TDM110, TrueDent White, 1.1 KG
OBJ-09169	Pack of 1	TDM140, TrueDent Yellow, 1.1 KG
OBJ-09167	Pack of 1	TDS100, TrueDent Support, 1.1 KG

TrueDent-D		
Part Number	Quantity	Product Description
OBJ-09301	Pack of 1	TDM100, TrueDent-D™ Clear, 1.1 KG
OBJ-09302	Pack of 1	TDM120, TrueDent-D™ Cyan, 1.1 KG
OBJ-09303	Pack of 1	TDM130, TrueDent-D™ Magenta, 1.1 KG
OBJ-09304	Pack of 1	TDM110, TrueDent-D™ White, 1.1 KG
OBJ-09305	Pack of 1	TDM140, TrueDent-D™ Yellow, 1.1 KG
OBJ-09306	Pack of 1	TDS100, TrueDent-D™ Support, 1.1 KG

* For a full list of indications please refer to the TrueDent brochure.



DentaJet™ Dental Materials

VeroDent™ PureWhite DEN847, VeroCyanV RGD845™, VeroMagentaV RGD852™, VeroYellowV RGD838™		
Property	Standard/ Procedure	Value
Tensile Strength	D-638-03	40 – 55 MPa (5,800 – 8,000 psi)
Elongation at Break	D-638-05	5 – 20%
Modulus of Elasticity	D-638-04	2,200 – 3,000 MPa (320,000 – 435,000 psi)
Flexural Strength	D-790-03	70 – 85 MPa (10,000 – 16,000 psi)
Flexural Modulus	D-790-04	2,000 – 2,500 MPa (290,000 – 365,000 psi)
HDT, °C @ 0.45MPa	D-648-06	45 – 50 °C (113 – 122 °F)
HDT, °C @ 1.82MPa	D-648-07	45 – 50 °C (113 – 122 °F)
Izod Notched Impact	D-256-06	20 – 30 J/m (0.375 – 0.562 ft-lb/inch)
Water Absorption	D-570-98 24hr	1.1 – 1.5%
Tg	DMA, E»	52 – 54 °C (126 – 129 °F)
Shore Hardness (D)	Scale D	83 – 86 (Scale D)
Polymerized Density	Scale M	1.17 – 1.18 g/cm3



stratasys

stratasys.com

ISO 9001:2015

Certified

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)

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

MATERIAL DATA SHEET
DENTAL

© 2024 Stratasys. All rights reserved. Stratasys is a registered trademark of Stratasys Inc. PolyJet, MED610, MED620, SUP711, MED625FLX, TrueDent, TrueDent-D, VeroGlaze, VeroDent and VeroDentPlus are trademarks of Stratasys, Inc. All other trademarks are the property of their respective owners, and Stratasys assumes no responsibility with regard to the selection, performance, or use of these non-Stratasys products. Product specifications subject to change without notice. Printed in the USA. MKT-000008EN Rev A
MDS_PJD_DentalMaterials_1224a