

# 3Delta

## 3Delta UNlimited

### Description

3Delta UNlimited is a light-curing composite for the additive manufacturing of permanent crowns, temporary crowns and bridges, monolithic full or partial dentures and artificial denture teeth.

The material is compatible with Rapidshape and ASIGA 3D printers (see validation matrix for details) and meets the performance requirements of DIN EN ISO 10477 and DIN EN ISO 20794-1 Type4.

### Indications

Additive manufacturing of anterior and posterior restorations, e.g.

- single tooth crowns
- veneers, inlays, onlays
- temporary crowns & bridges
- monolithic full and partial dentures
- artificial denture teeth

### Composition

Preparation of acrylates, fillers, initiators and pigments.

Filler content: 50% by weight.

### Available Shades

A1, A2, A3, A3.5, B1, C1, Bleach

### Medical Device Class

- Class 2 [US]

### Storage conditions

Protect from exposure to light. Store between 4°C and 25°C. Keep container tightly closed. Shelf life: 24 months.



FDA cleared



Physical properties	Requirement*	Average Values**
Flexural strength	≥ 50 MPa	144 MPa
Flexural Modulus	n.a.	5815 MPa
Water absorption	≤ 40 µg/mm <sup>3</sup>	16 µg/mm <sup>3</sup>
Solubility	≤ 7,5 µg/mm <sup>3</sup>	0,2 µg/mm <sup>3</sup>
Compressive strength	> 300 MPa	420 MPa
Viscosity	n.a.	1,0-3,0 Pas

\* acc. to DIN EN ISO 10477

\*\* Average value of 5 test specimen. Values of built parts may deviate from the measured values depending on used conditions and respected standards.

### Delivery Units

Product name	REF 500g	REF 1000g
3Delta UNlimited A1	1613110	1611210
3Delta UNlimited A2	1613120	1611220
3Delta UNlimited A3	1613130	1611230
3Delta UNlimited A3.5	1613135	1611235
3Delta UNlimited B1	1613155	1611265
3Delta UNlimited C1	1613160	1611260
3Delta UNlimited Bleach	1613150	1611250



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