



3Delta Denture Base

Description

3Delta Denture Base is a light-curing resin for the additive manufacturing of denture bases in pink-opaque and pink-transparent color variants. The material has been optimized for Rapidshape DLP® systems of the D series with a wavelength of 385 nm for layer thicknesses of 100 µm. 3Delta Denture Bond and 3Delta Denture Fix are used to bond denture teeth to the printed base. The product meets the requirements of the standard DIN EN ISO 20795-1.

Indications

Additive manufacturing of denture bases.

Composition

Preparation of acrylates, initiators and pigments.

Available Shades

pink-opaque, pink-transparent

Medical Device Class

- Class IIa [EU]
- 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.

CE 0124

Physical properties	Requirement*	Average Values**
Flexural strength	≥ 65 MPa	114 MPa
Flexural modulus	≥ 2000 MPa	2973 MPa
Water absorption	≤ 32 µg/mm ³	26 µg/mm ³
Solubility	≤ 1,6 µg/mm ³	0,5 µg/mm ³
Viscosity	n.a.	1,5 Pas

* acc. to DIN EN ISO 20795-1

** 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	Packing	REF
3Delta Denture Base pink-opaque	1000g bottle	1606020
3Delta Denture Base pink-transparent	1000g bottle	1606120
3Delta Denture Bond	10 ml	1606950
3Delta Denture Fix	8 g	1606910



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