



BIOCOMPATIBLE RESIN FOR DENTAL APPLICATIONS

DS3500 is a biocompatible Class I material, ideal for the print of individual trays.

The printed objects, given the surface smoothness and accuracy, are suitable for all types of impression materials and grant an excellent fit.

Their slight transparency is very useful in taking the impression in partial and/or total edentulism cases as it helps verifying the adhesion of the impression material to the mucosa.

The printed trays are rigid, very stable and deformation-free.

They are available in colours Light Blue and Purple.

ADVICE FOR USE

DS3500 material can be used in DWS 3D printers like 029D, XPRO S, XPRO Q and in XFAB series.

The polymer is to be considered in Class I as provided by the Rule 5, Annex IX, Dir.93/42/EEC.

FEATURES

- Biocompatible
- Stability
- Non-deformability
- Compatibility with all impression materials
- Slight transparency

TECHNICAL CHARACTERISTICS OF THE LIQUID MATERIAL

Environmental Values for Use	22°C - 27°C - max, RH 40% - 60%
Appearance / Colour	Liquid / Light blue or purple
Density	1,01 g/cm ³
Viscosity	300 ~ 700 MPa•s at 25°C

TECHNICAL CHARACTERISTICS OF THE RESIN AFTER UV CURING

Surface Hardness (Shore D)	86 ~ 89
Elongation at Break (%)	2 ~ 5
Tensile Strength (MPa)	15 ~ 60
Tensile Modulus (MPa)	1750 ~ 2750
Flexural Strength (MPa)	55 ~ 100
Flexural Modulus (MPa)	1500 ~ 2500
HDT @ 0,46 MPa (°C)	60
Application / Use	Impression trays

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