

DS 3000 Bio-compatible resin

Photosensitive Resin
for DigitalWax® D Series Stereolithography Systems

Features

- Smooth surface
- High resolution
- High accuracy
- Durable
- Transparent



DIGITALWAX® D Resins

In its continuous effort to offer new products to meet the most demanding requirements, DWS offers a new generation of high-performance SLA photosensitive resins for direct casting and for the production of digital impression models.

DS Series: bio-compatible resins for dental applications

DS 3000 Bio-Compatible resin is specially developed for production of **high precision surgical guide as dental drill guides** and all the applications that require a limited contact with the body.

It works directly from intraoral digital capture devices, as a replacement of the traditional physical ones.

Technical characteristics of the liquid material	
Environmental values for use	22°C – 27°C – max. RH 40%-60%
Appearance/colour	transparent liquid / light yellow
Viscosity	600-800 mPa·s at 25°C

Technical characteristics of the resin parts after UV post-curing	
Hardness (Shore D)	87
Tensile strength (MPa)	30
Elongation at break (%)	7
Tensile modulus (MPa)	1340
Flexural Strength (MPa)	94.6
Flexural Modulus (MPa)	2105
HDT @ 0.46MPa (°C)	55
Application/Use	drilling guides

DS3000 Resin can be used in the DigitalWax D Series machines: 020D, 028D, 029D, 030D.