



### DC 550 Casting Resin

Photosensitive Resin for DigitalWax® J Series Stereolithography Systems

#### Features

- Smooth surface
- High resolution
- High accuracy
- No further manual finishing needed

#### Hints for design

**DC550 Casting Resin** allows the building of the finest details and extremely smooth surfaces in order to reduce or even **eliminate the manual finishing** and proceed immediately with the direct casting procedure according to a simple burn out cycle. DC550 is the ideal material for special applications such as filigrees, stone pre-setting, micropavé, multiple parts and chains.

### DIGITALWAX® J 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 master models for rubber moulds.

#### DC Series: resins for direct casting

**DC550 Casting Resin** is a high performance material specially developed for the **direct casting of the finest jewelry patterns**.

The main characteristic of this material is the capability of building detailed parts with **high quality resolution and smooth surfaces** which do not require any other manual finishing.



Technical characteristics of the liquid material	
Environmental values for use	22°C – 27°C – max. RH 40%-60%
Appearance/colour	slightly green clear liquid
Viscosity	400-600 mPa·s at 25°C
Technical characteristics of the resin parts after UV post-curing	
Hardness (Shore D)	47
Flexural Strength (MPa)	5.3
Flexural Modulus (MPa)	130
Application/Use	<b>for direct casting of jewelry patterns</b>

DC550 Casting Resin can be used in the whole DigitalWax® J range