

### DM 220 Moulding Resin

Photosensitive Resin for DigitalWax® J Series  
Stereolithography Systems

#### Features

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

#### Hints for design

**DM220 Moulding Resin** is suitable for thick and thin models. DM220 Moulding Resin can be used to make liquid silicones and rubber vulcanized at a maximum temperature of 180-200°C

**Models made of DM220 resin can be removed easily from the rubber** mould and they can also be broken, allowing you to carry out some difficult cuts that would be even impossible with a metal model. DM220 delivers extremely smooth surfaces and exceptionally precise and sharp details.



### 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.

#### DM Series: resins for rubber moulds

**DM220 Moulding Resin** is a nano-filled ceramic resin specially developed **for rubber moulding applications, including VLT, liquid silicones and vulcanized rubber** at medium-high temperatures (max.180-200°C) after this oven cycle:

- 2 °C per minute up to 120 °C
- Leave the model at 120 °C for 1h (one hour)
- Let the oven cool down slowly for about 1h (one hour)



Technical characteristics of the liquid material	
Environmental values for use	22°C – 27°C – max. RH 40%-60%
Appearance/colour	Opaque blue liquid
Viscosity	2000-3000 mPa·s at 25°C
Technical characteristics of the resin parts after UV post-curing	
Hardness (Shore D)	94
Flexural Strength (MPa)	102
Flexural Modulus (MPa)	7300
Application/Use	<b>for rubber master models of jewellery patterns</b>

DM220 Moulding Resin can be used in the whole DigitalWax® J range