

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	for rubber master models of jewellery patterns

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