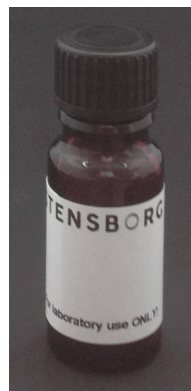


DM56 Technical Data Sheet

Type	Acrylate based UV curing demould resin
Viscosity	Low - (40 cP at 25°C)
Typical curing dose	~ 64 mJ/cm ²



Description:

DM56 is a fast UV curing acrylate based resin optimized for the use on Stensborg Roll-2-Roll (R2R) and Roll-2-Plate (R2P) nano/micro imprint HoloPrinters.

Product Features:

The DM56 is designed as a low viscosity fast curing resin compatible with both LEDs (365-405nm) as well as iron-doped mercury lamps.

Suggested Applications

DM56 is designed as a photoresist demould resin for making working masters (WM) for the DeskTop HoloPrinter. The resin is compatible with several photoresist e.g. Shipley Microposit S1800 series photoresist. DM56 works extremely well with the following replication resins X29 and X30, as well as the imprint replications resins DM41 and DM57.

Substrates:

DM56 will, after curing, adhere to a variety of substrates including, but not limited to PET, PVC, and PC. Please note that substrate surface treatment or lack thereof may affect the adhesion properties of DM56.

Storage and Handling

Handling

Protective gloves, goggles, and appropriate protective gear should be worn at all times when handling DM56. In addition, the common procedures for handling chemicals should be followed according to the material safety data sheet (MSDS) of the resin.

Storage

Shelf life is at least 12 months from the date of manufacture in their original containers provided that they are stored at temperatures ranging from 5°C to 25°C and protected from direct sunlight.