

X166b Technical Data Sheet



Type	Acrylate based UV curing replication resin
Viscosity	Low - (25 cP at 25°C)
Typical curing dose	~ 28 mJ/cm ²

Description:

X166b is a fast UV curing acrylate based resin optimised for the use on Stensborg Roll-2-Roll (R2R) and Roll-2-Plate (R2P) nano/micro imprint machines.

Product Features:

The X166b is designed as a low viscosity fast curing resin compatible with both LEDs (365-405nm) as well as iron-doped mercury lamps.

Suggested Applications

X166b is designed as an imprint resin for making micro- and nano- replications. X166b works well with the following demould resins: DM56, and DM57.

Substrates:

X166b will, after curing, adhere to a variety of substrates including, but not limited to PET, PC and PVC. Please note that substrate surface treatment or lack thereof may affect the adhesion properties of X166b.

Storage and Handling

Handling

Protective gloves, goggles, and appropriate protective gear should be worn at all times when handling X166b. 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.