

1045-M

LED-Curable Adhesive for Prefilled Syringe & Injection Device Assembly

LED Curable at 365 nm
for Faster, Environmentally
Friendly Processing

Meets ISO 10993
Biocompatibility and
Cytotoxicity Standards

Very Low Extractables

Low Shrinkage

Compatible with Autoclave
Cleaning and Gamma, Eto,
and E-Beam Sterilization

Glass-Like Surface
That Resists Yellowing

Strong Adhesion to
Glass, SS, ABS, and PC

Very Low Viscosity
for Faster Flow

**1045-M was designed to address these
prefilled syringe needle bonding challenges**



Adhesive Dispensing

1045-M features a very low viscosity that allows it to flow easily onto components in 10 seconds versus the current 30+ second standard.

This product also has great shot-to-shot consistency and adhesive dome/fillet uniformity.



Adhesive Curing

1045-M cures tack free with a glass-like surface that resists yellowing.

This adhesive cures in seconds with LED, allowing faster processing and higher throughput. LED curing also generates lower heat and consumes less energy for a greener process.



Sterilization Survivability

1045-M achieves strong adhesion to substrates like glass, SS, ABS, and PC.

These bonds are strong and withstand the harsh cleaning and sterilization processes prefilled syringes undergo.



Dymax manufactures light-curable adhesives, coatings, and maskants, as well as compatible dispensing and curing equipment. We focus on creating solvent-free materials that cure clean, green, and fast, helping engineering teams accomplish more in less time and with less negative impact on the environment.

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