L-8406 Versatile Adhesive UV Resin

Description

L-8406 is a specially modified polyurethane-acrylate UV resin with excellent adhesion to substrates such as PP, PVC, PET, PMMA, PBT, and glass. It provides strong bonding between various materials, including transparent substrates like PMMA, PVC, PP, and glass. Cured at 80 mJ/cm² using a UV lamp or 395 nm LED for 3–5 seconds, the adhesive demonstrates outstanding substrate failure strength and excellent adhesion. With its broad applicability, it is recommended for use in UV laminating adhesives and UV bonding adhesives.

Technical Data

Appearance	Pale yellow liquid
Viscosity (25ºC, CPS)	5,000 - 6,500
UV Content (%)	100
Density (g/cm³, 25ºC)	1.1 ± 0.1
Acid Value (mg KOH/g)	2 - 5
Refractive Index	1.49
Tensile Strength (MPa)(ASTM D882)	15.9
Elongation at Break (%)(ASTM D882)	44
Functional Group	3

Product Features

Provides strong adhesion between various substrates

Fast curing and good surface tack, suitable for mercury and LED lamp curing

Excellent toughness

Applications

Various UV adhesive glues; glass UV adhesives; 3D printing resins, etc.

Storage Conditions

To prevent premature polymerization due to the high reactivity of this product, keep it tightly sealed and store away from heat sources and direct sunlight. It is recommended to maintain storage temperature below 30 ℃. Unused product should be promptly resealed and must not be left open. Under ventilated conditions at 25 ℃, the product has a safe storage period of 6 months. Available packaging: 20 kg / 200 kg per drum

Tips: L-8406 cures rapidly, exhibits excellent flexibility, and provides strong adhesion across various substrates. Its fast curing makes it ideal for use as an all-purpose

Note: Technical data represents typical values only. In view of the differences in formulas, production process, conditions, all the above statements must be adjusted according to the actual situation, our company does not make any promises. Our company reserves the right to reform its products without prior notice of any changes.