Lencolo®
蓝柯路

TDS

2025/10/01

L-8460 Moisture Curing UV Polyurethane Resin

Description

L-8460 is a moisture-curable UV polyurethane resin with active isocyanate groups. It can be UV-cured and moisture-cured. It has excellent adhesion, weather resistance, salt spray resistance, high and low temperature resistance on PCB circuit boards. It is mainly used for the sealing protective layer of circuit boards of electronic products and can be used as the main resin of UV ink, adhesive and as modifier of UV coating.

Technical Data

Appearance	Colorless transparent liquid
Viscosity (25ºC, CPS)	1,000 - 2,500
UV Content (%)	100
Density (g/cm³, 25ºC)	1.1 ± 0.1
NCO Content (%)	8 ± 0.5
Refractive Index	1.474
Functional Group	3

Product Features

Contains isocyanate groups, can be cured by moisture and can react with hydroxyl groups

Low shrinkage, hard PCB circuit board, good adhesion to conventional plastics

Boiling resistance, soaking resistance, high temperature and high humidity resistance

Good toughness, moderate hardness

Applications

UV dual curing adhesives; PCB circuit board conformal adhesives; dual curing coatings, 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 °C. Unused product should be promptly resealed and must not be left open. Under ventilated conditions at 25 °C, the product has a safe storage period of 6 months. Available packaging: 20 kg / 25kg / 200 kg per drum

Tips: L-8460 contains 100% solids, has good storage stability, and can be cured by moisture. It is suitable as a conformal coating for circuit boards.