

L-8463 Economical Dual-Cure UV Resin

Description

L-8463 is a special modified UV polyurethane resin that contains a certain amount of hydroxyl groups and can be combined with isocyanate to form a dual-curing coating. It has adhesion to PC, ABS, PMMA, paper, leather, artificial leather and other substrates. It can be used as a modifier of UV coatings and the main resin of dual-curing UV coatings.

Technical Data

Appearance	Colorless or slightly yellow transparent liquid
Viscosity (25°C, CPS)	4,000 - 5,000
UV Content (%)	85% ± 2
Density (g/cm ³ , 25°C)	1.1 ± 0.1
Acid Value (mg KOH/g)	≤ 5
OH Value (solid content)	80 mg KOH/g
Refractive Index	1.502
Functional Group	3

Product Features

Contains hydroxyl groups and can be used as dual-curing UV coating
Low shrinkage, good adhesion to PC substrate and good weather resistance
Boiling and soaking resistance, high cost performance
Good leveling, good fullness, good pigment wetting

Applications

Dual-curing UV varnishes and adhesives on various plastics; dual-curing UV inks; mobile phone glass protection inks; dual-curing UV coatings for car interior parts, 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-8463 offers excellent cost-performance, outstanding resistance to boiling water, and high leveling and film fullness, making it particularly suitable for dual-curable UV systems in automotive interiors

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.