

L-6117-100 High-Viscosity UV Epoxy Resin

Description

L-6117-100 is a modified epoxy acrylate resin with relatively high viscosity and fast curing speed, high gloss, high film build, and well-balanced overall performance. It is widely applicable for metal and plastic UV topcoats as well as various structural adhesives. With good metallization performance, it is recommended for UV vacuum metallization primers and topcoats, and can also be used in UV nail gels as color gels or extension gels.

Technical Data

Appearance	Light yellow clear transparent liquid
Viscosity (60°C, CPS)	120,000-180,000
Color Value (Gardner)	≤1
UV Content (%)	100
Acid Value (mg KOH/g)	≤3
Refractive Index	1.56
Shore Hardness	85D
Functional Group	2

Product Features

High viscosity, high film build, high gloss, and excellent leveling
Good wetting on various substrates
Good metallization performance, excellent toughness, and scratch resistance

Applications

UV vacuum metallized primers and topcoats; UV wood coatings; UV soft-touch varnishes for paper; UV inks; UV clear coatings for plastic; UV nail polish, 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 / 200 kg drums.

Tips:L-6117-100 features high viscosity, good resistance to thinning, excellent toughness, high film build, and high gloss.

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.