

L-6117 Toughness-Enhanced UV Epoxy Resin

Description

L-6117 is modified epoxy acrylate resin with excellent flexibility and fast cure speed, high gloss, high fullness, balanced comprehensive performance, can be widely used in metal and plastic varnish UV coatings and various structural adhesives. It has good plating ability and recommended for vacuum plating primers and topcoats.

Technical Data

Appearance	Slightly yellow, clear transparent liquid
Viscosity (60°C, CPS)	2,000 - 4,500
Color Value (Gardner)	≤1
UV Content (%)	100
Acid Value (mg KOH/g)	≤3
Refractive Index	1.531
Shore Hardness	67D
Functional Group	2

Performance

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

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 has excellent dilution stability (resistance to thinning), good flexibility, 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.