

L-6460 High Leveling 4-Functional UV Polyurethane

Description

L-6460 is a specially modified highly reactive 4-functional urethane acrylate resin. The product has low shrinkage, excellent adhesion, resistance to hand perspiration and cosmetics, and solvent thinning resistance. It provides excellent adhesion to various plastic substrates, including PC, ABS, PMMA, and TAC, and can achieve good adhesion even when used alone. The resin also exhibits good adhesion to paper, wood, metals, and other substrates. L-6460 is suitable as a base resin for high-abrasion UV topcoats with vibration resistance for 2 hours, as well as for vacuum-metallized UV coatings.

Technical Data

Appearance	Colorless transparent liquid
Viscosity (25°C, CPS)	1,000 - 2,500
Color Value (Gardner)	≤ 1
UV Content (%)	80±2
Density (25°C, g/cm³)	1.1±0.1
Acid Value (mg KOH/g)	≤ 5
Refractive Index	1.481
Functional Group	4

Product Features

Excellent water resistance, as well as resistance to hand perspiration and cosmetics
Good adhesion to various plastics, metals, and plated surfaces
High color development with excellent compatibility with colorants
Outstanding vibration and abrasion resistance, with high leveling and high film build
Low shrinkage and fast curing

Applications

Various high performance requirements coatings for vacuum metallization UV coatings, UV plastic coatings, UV screen printing varnishes, various metal UV coatings, various UV inks, 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-6460 excellent adhesion, good leveling, and high film build, making it suitable for high-performance coatings.

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.