

L-61041 Low Viscosity, Flexible 2-functional UV Polyurethane Resin

Description

L-61041 is a specially modified, ultra-low viscosity, difunctional polyurethane acrylate. In UV applications, it has strong diluting ability and can replace monomers. It features ultra-low shrinkage and excellent surface cure, can form films independently, producing tough, flexible, and elastic films with high transparency and gloss.

Technical Data

Appearance	Colorless transparent liquid
Viscosity (25°C, CPS)	8 - 20
Color Value (Gardner)	≤ 1
UV Content (%)	100
Density (25°C, g/cm³)	1.00 ± 0.05
Acid Value (mg KOH/g)	≤ 2
Refractive Index	1.448
Shore Hardness	87A
Elongation at Break (%) (ASTM D882)	118.5
Functional Group	2

Product Features

Ultra-low viscosity, low irritation
Good flexibility, good tear resistance
Fast curing speed, good film-forming property
Good surface drying

Applications

UV inkjet; UV 3D printing resins; UV adhesives; UV tearable films; UV varnishes; UV plastic coatings; UV elastic 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 / 200 kg per drum

Tips: L-61041 has ultra-low viscosity, low irritation, good surface drying and good film-forming properties.

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.