

L-6367-6 Fast-Wrinkling Excimer UV Polyurethane Resin

Description

L-6367-6 4-functional UV polyurethane resin. This resin can wrinkle quickly after being excited by the short-wavelength 172nm, 222nm, and 254nm ultraviolet excimer spectrum. It has fine texture, soft and elastic soft touch skin feel. The resin has a good balance of hardness, softness and elasticity, and has excellent scratch resistance on the surface after curing.

Technical Data

Appearance	Clear transparent liquid
Viscosity (25°C, CPS)	400-1,500
UV Content (%)	100
Density (25°C,g/cm ³)	1.01±0.05
Acid Value (mg KOH/g)	≤2
Refractive Index	1.478
Shore Hardness	98A
Functional Group	4

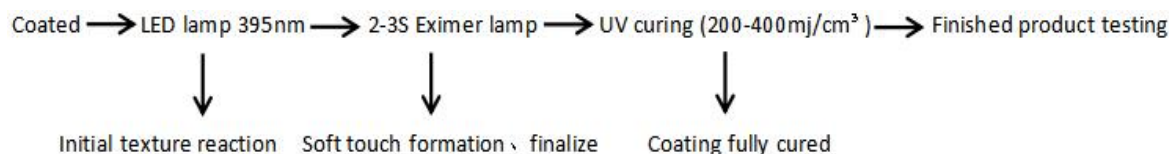
Test Formula (254nm band)

L-6367-6	67
Lencolo 5006 (184)	5
Lencolo 5029 (MBF)	2
Lencolo 5007 (TPO)	0.1
L-61016 (9EOTM)	20
Matte Powder	5
Lencolo 2190 (defoaming agent)	0.2
Lencolo 5003B (soft touch agent)	0.7
Total	100

Product Features

High yellowing resistance
Soft, elastic skin-like feel
Excellent scratch resistance
Good recoating compatibility

Construction Process



Applications

For coating excimer UV skin-feel finishes on surfaces such as PU, ABS, PC, PET, various plastic films, leather, paper, and wood.

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Precaution & Storage

1. Ensure that the UV coating absorbs sufficient UV energy to achieve complete curing; insufficient curing may affect coating performance.
2. Do not pour unused material back into the original container. 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. Recommended storage temperature: $\leq 30^{\circ}\text{C}$. Unused portions should be sealed promptly and not left open. Under room temperature (25°C) and ventilated conditions, the safe shelf life is 6 months.

Tips: L-6367-6 offers excellent compatibility and fast wrinkle formation. The wrinkle speed and size can be adjusted by using mono- and difunctional monomers.

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.