

L-8412A UV Polyurethane Resin for PET

Description

L-8412A special modified polyurethane acrylic UV resin, which has unique adhesion, water boiling resistance and soaking resistance on the untreated PET/BOPP surface.

Technical Data

Appearance	Transparent light yellow liquid
Viscosity (25°C, CPS)	30,000 - 50,000
UV Content (%)	100
Density (g/cm ³ , 25°C)	1.1 ± 0.1
Acid Value (mg KOH/g)	2 - 5
Refractive Index	1.459
Shore Hardness	64A
Functional Group	2.5

Product Features

Good adhesion to various plastics, melamine panels, untreated PET/BOPP substrates etc.

Good drying, good scratch resistance

Good flexibility, good yellowing resistance

Good compatibility with conventional UV epoxy, UV polyester, UV polyurethane and other resins and monomers.

Applications

PET UV ink; PET UV varnish; UV plastic coating; UV screen printing ink; UV wood coating

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-8412A is 100% solid content, and has good adhesion to BOPP, PET, melamine board, nylon, acrylic and other materials.

Dual-curing resin needs to be cured twice. Just like this nail patch, first curing is done by nail patch producer through heat, at this moment, the nail patch is soft (not fully dried), then end-users use small UV lamp to finish the second curing (60-180s) till the nail patch becomes hard and stick to human nails tightly. (full dried)