Lencolo®
蓝柯路

TDS

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L-6412 Monocoat Silver Coloring UV Polyurethane Resin

Description

L-6412 is a specially modified highly reactive 4-functional polyurethane acrylate resin. The product exhibits excellent silver-powder alignment, good water-boil resistance, and high recoating ability without sanding. It provides strong adhesion to plastics (ABS, PC, PMMA) and metals. L-6412 is suitable as a base resin for high-abrasion UV topcoats and vacuum-metallized UV coatings, as well as for monocoat silver UV coatings.

Technical Data

Appearance	Colorless transparent liquid
Viscosity (25ºC, CPS)	20,000-40,000
Color Value (Gardner)	≤ 1
UV Content (%)	42±2
Density (g/cm³, 25ºC)	1.1±0.1
Acid Value (mg KOH/g)	< 2
Refractive Index	1.444
Functional Group	4

Product Features

Excellent silver-line effect, with no silver corrosion and outstanding RCA resistance

Good adhesion to various plastics, metals, and plated surfaces

High color development, with excellent compatibility and pigment wetting

Suitable as a base resin for monocoat silver UV coatings, allowing recoating without sanding

Applications

Various high perfomance requirements for UV vacuum metallized topcoat, UV plastic coatings, UV screen printing varnishes, monocoat UV silver coatings, 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-6412 offers excellent silver-line effect, no silver corrosion, good recoating ability, and smooth leveling, making it an ideal base resin for monocoat silver UV 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.