

L-6380A Scratch-Resistant Matte UV Polyurethane

Description

L-6380A is a special modified polyurethane acrylate resin. This matte UV resin exhibits a stable 5°–10° gloss without blooming and retains its matte appearance regardless of baking temperature or duration. It features nano-level fineness, is halogen-free, has 2H hardness, excellent scratch and abrasion resistance, and shows less than 1% volatilization (low odor) when baked at 80°C for 2 hours.

Technical Data

Appearance	Slightly yellow, semi-transparent liquid
Viscosity (25°C,CPS)	4,000-8,000
Color Value (Gardner)	≤1
UV Content (%)	100
Density (g/cm ³ , 25°C)	1.1 ± 0.1
Acid Value (mg KOH/g)	4 - 8
Refractive Index	1.467
Shore Hardness	43D
Functional Group	3

Product Features

Gloss 5°~10°, no blooming, stable gloss

High hardness, good scratch resistance

Delicate and smooth feel, excellent scratch resistance, low odor

Applications

UV matte varnishes; UV plastic coatings; UV screen printing varnishes; high-build UV coatings for PVC flooring, PVC leather, 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.

Precautions

Prolonged storage may cause slight resin stratification. To ensure optimal performance, stir thoroughly or roll the container evenly on the floor before use.

Tips: L-6380A has good scratch resistance, good soft touch skin feel, low odor and no halogen.

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.