

L-6380H Low Odor Matte UV Polyurethane Resin

Description

L-6380H is a specially modified polyurethane acrylate resin formulated as a matte UV-curable coating. It provides a stable low-gloss finish (2–4°) without haze, maintaining consistent appearance even after prolonged baking or at elevated temperatures. The resin features nano-scale particle fineness and offers excellent transparency, smooth leveling, and uniform edge coverage. It can be applied in thin or multiple layers without whitening, allows recoating, and exhibits excellent substrate adhesion, good elongation, and is solvent-free.

Technical Data

Appearance	Semi-transparent liquid
Viscosity (25°C, CPS)	300 - 1,200
Color Value (Gardner)	≤ 1
UV Content (%)	100
Density (25°C, g/cm ³)	1.1 ± 0.1
Acid Value (mg KOH/g)	≤ 10
Refractive Index	1.458
Shore Hardness	82A
Functional Group	3

Product Features

Gloss 2~4°, no floating, stable gloss, good leveling and good adhesion

Smooth, soft-touch feel with high scratch resistance

Defoaming effect in high-build UV coatings, contributing to improved yield rate

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 the product from polymerization and gelling, please keep it sealed and away from heat and light. Safe storage time is 6 months at room temperature(25°C) and under ventilation.

This product will be packed into 20KG/25KG/200KG/barrel

Precaution

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-6380H features low viscosity, excellent matte appearance, and a soft-touch feel. It has low odor and is a halogen-free formulation.

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.