L-6380E Good Soft Touch Matte UV Polyurethane Resin

Description

L-6380E is a specially modified polyurethane acrylate matte UV resin for high-performance coatings. It provides a stable matte finish (2–5° gloss) without haze, even at elevated temperatures or after extended baking. With nano-scale fineness, it offers excellent transparency, leveling, and edge coverage, and can be applied in thin or multiple layers without whitening. The resin exhibits excellent adhesion, good elongation, and is 100% solvent-free.

Technical Data

Appearance	Semi-transparent liquid
Viscosity (25ºC, CPS)	250 - 1,200
Color Value (Gardner)	≤ 1
UV Content (%)	100
Density (25ºC, g/cm³)	1.1 ± 0.1
Acid Value (mg KOH/g)	≤ 7
Refractive Index	1.455
Shore Hardness	41A
Functional Group	3

Product Features

Stable gloss without cloudiness (gloss level 2–5°).
Excellent compatibility, good leveling, and strong adhesion.
Delicate and smooth touch with excellent scratch resistance.
Provides a defoaming effect in thick UV coatings and helps improve yield rate.

Applications

UV matte varnishes; UV plastic coatings; UV screen printing varnishes; high-build UV coatings for PVC flooring, PVC leather; nail polish topcoat, 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 (25ºC) and under ventilation.
This product will be packed into 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-6380E features low viscosity and low matteness, offering good soft-touch feel and excellent compatibility. It is halogen-free.

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.