

L-6608 High Viscosity 6-functional UV Polyurethane Resin

Description

L-6608 high viscosity 6-functional UV polyurethane resin is recommended for hard high performance light curing applications such as coatings, inks, UV vacuum metallization, UV screen-printing inks, UV offset printing inks, etc. It features high crosslinking density, producing hard yet non-brittle films with excellent surface drying. Even in thin layers, it achieves surface dryness at very low energy, and maintains excellent surface drying when thinned up to 30% with reactive diluents. It also provides high gloss and excellent leveling, good wetting properties, and good weather resistance.

Technical Data

Appearance	Clear transparent liquid
Viscosity (60°C, CPS)	15,000-20,000
Color Value (Gardner)	≤ 1
UV Content (%)	100%
Acid Value (mg)	≤ 1
Refractive Index	1.501
Shore Hardness	83D
Functional Group	6

Product Features

High reaction speed, high hardness, and excellent surface dryness

Good leveling, high build, high gloss

Good chemical resistance, high viscosity

Applications

Widely used in UV high gloss varnishes, UV plastic coatings, UV vacuum metallized primers and topcoats, UV texture transfer coatings, UV screen-printing inks, UV offset 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 / 25 / 200 kg per drum.

Tips: L-6608 is a high-viscosity, hexafunctional resin that maintains excellent surface drying even when thinned with reactive diluents.

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.