

L-6390 High Toughness UV Modified Polyurethane

Description

L-6390 is a specially modified 4-functional polyurethane acrylate resin, the product has good reactivity, excellent water resistance, heat resistance, good adhesion to metal, good flexibility, good vibration wear resistance, excellent adhesion to PC, ABS , PMMA, TAC and other plastic substrates, have a good balance between hardness and flexibility. It's the best choice for tough and wear-resistant coatings.

Technical data

Appearance	Colorless transparent liquid.
Viscosity (60°C, CPS)	5,000 - 15,000
Chroma (Gardner)	≤1
UV component (%)	100
Density (25°C,g/cm³)	1.1±0.1
Acid value (mg KOH/g)	≤1
Refractive index	1.481
Shore hardness	75D
Tensile strength (MPa)(ASTM D882)	10.6
Elongation at break (%) (ASTM D882)	5.5
Functional group	4

Performance

- Excellent water resistance, heat resistance
- Good adhesion to metal
- Good balance of flexibility and hardness
- Good resistance to yellowing (700mj/cm², B value 1.1 after curing)

Applications

3C electronic coating, clear DIY resin, SPC floor, adhesive, UV 3D printing, UV nail polish color gel and topcoats, etc.

Storage

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/200KG/barrel

Tips: : L-6390 has excellent toughness and yellowing resistance, can be used in nail polish coloring gel and topcoats.

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.