

## L-8323 Self-healing UV Polyurethane Acrylic Resin

### Description

**L-8323** is a modified aliphatic 3-functional polyurethane acrylate. It has the characteristics of good scratch resistance and quick self-healing effect, no yellowing, good flexibility, good toughness, fast curing speed, good surface dryness and resistance to water boiling.

### Technical Data

|                                     |                              |
|-------------------------------------|------------------------------|
| Appearance                          | Colorless transparent liquid |
| Viscosity (25°C, CPS)               | 20,000 - 40,000              |
| Color Value (Gardner)               | ≤ 1                          |
| UV Content (%)                      | 100                          |
| Density (g/cm <sup>3</sup> , 25°C)  | 1.1 ± 0.1                    |
| Acid Value (mg KOH/g)               | ≤ 4                          |
| Refractive Index                    | 1.488                        |
| Shore Hardness                      | 89A                          |
| Tensile Strength (MPa)(ASTM D882)   | 2.73                         |
| Elongation at Break (%) (ASTM D882) | 9.5                          |
| Functional Group                    | 3                            |

### Product Features

Fast coating self-healing effect  
Good resistance to yellowing and chemical resistance  
Good surface dryness, resistance to boiling, and can be recoated  
Good adhesion to PVC, TPU, ABS, PC and other plastics

### Applications

Invisible car coatings for cars; PVC protective films; mobile phone sheaths; self-healing coatings for high-end electronic products, 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

**Tips:**L-8323 coating has good repairability, can be recoated, and has good chemical resistance.

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.