

L-9110W Waterborne One-component Silver-dispersion Acrylic Resin

Description

L-9110W is a waterborne specialty acrylic resin, prepared via a special process by copolymerizing acrylic monomers and their esters. It features a core-shell structure with self-crosslinking properties. The resin has fine particle size and moderate viscosity. It exhibits excellent adhesion on substrates such as ABS, PC, PS, PET, and PVC, with coatings demonstrating good water resistance, scratch resistance, and outstanding alcohol-wipe durability. Environmentally friendly, it offers a high degree of self-crosslinking, high hardness, fast drying, and excellent chemical resistance.

Technical Data

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|--------------------------------------------------|----------------------------------|
| Appearance | Blue-tinted translucent emulsion |
| Brookfield Viscosity (25°C No. 4 Spindle 12 rpm) | 300 - 2,000 |
| Solid Content % | 40 ± 2 |
| PH Value | 7 ± 1 |
| Tg (°C) | 65 |
| Minimum Film Forming Temperature (°C) | 72 |

Product Features

It has good adhesion to substrates such as ABS, PC, PS, PET, PVC, etc., with high gloss of 90°, hardness of 1H, and alcohol resistance of about 100 times

Applications

For water-based plastic topcoats; water-based metal paints

ReferenceFormula

L-9110W Waterborne High-gloss, Weather-resistant Topcoat

| | | | |
|---------------------------------------|-----|-------------------|-----------|
| L-9110W Waterbased Special Resin | 75 | Solid Content (%) | 47.5 |
| Water | 8 | Pencil Hardness | > H |
| DPBN Film Forming Additive | 6 | Gloss | > 85 |
| Lencolo 2024W Defoamer | 0.1 | Anti-adhesion | 0 |
| Lencolo 3245W Substrate Wetting Agent | 0.2 | Flexibility | 1mm |
| Color Paste | 15 | Alcohol Resistant | 200 times |
| Lencolo 8920W Thickener | 0.5 | | |
| BCS | 5 | | |
| Total | 100 | | |

Precautions

The product should be stored in a tightly sealed container, protected from freezing and excessive heat. The recommended storage temperature is 10–25 °C.

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: 50 kg / 200 kg per drum

Tips: L-9110W is ideally suited for various waterborne one-component topcoats and can be blended with Lencolo-8921W to improve silver orientation, achieving alcohol resistance of around 100 cycles.

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.