

L-9112W Waterborne One-component Alcohol-resistant Acrylic Resin

Description

L-9112W 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

Appearance	Blue light translucent emulsion
Brookfield Viscosity (25°C No. 4 Spindle 12 rpm)	300 - 2,000
Solid Content %	42 ± 2
PH Value	7 ± 1
Tg (°C)	75
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 200 times

Applications

For water-based plastic topcoat, water-based metal paint

Reference Formula

L-9112W Waterborne high-gloss, weather-resistant topcoat

L-9112W Waterbased Special Resin	78	Solid Content	47.5
Water	8	Pencil Hardness	> H
DPBN Film Forming Additive	6	Gloss	> 85
Lencolo 2024W Defoamer	0.1	Anti-adhesion	0
Color Paste	15	Flexibility	1mm
BCS	5	Alcohol Resistant	200 times
Lencolo 8920W Thickener	0.5		
Lencolo 3245W Substrate Wetting Agent	0.2		
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-9112W is very suitable for various water-based one-component topcoats. It can be used with Lencolo 8921W to improve the silver coating and is alcohol-resistant for about 200 times.

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.