

LED内涂白产品说明

LED inside white coating description

一、A brief introduction

Doern LED inside white coating product is independently researched and manufactured by Shenzhen Doern Chemical Co. Ltd, with patented coating for LED glass lamp and glass tube. After 3 years' of brand testing, Doern coating' s stable performance, product features and testing specifications are well received by major brands as standards for reliable lamp.

二、Product Models

L-1002, for glass lamp coating, hemisphere glass, candle, glasstube, typical jade white, no color temperature deviation;

L-2065, Matte color for imitation of matte effect;

L-1020, for coating glasstube;

W1-200, for Water coating pipe

三、Product characteristics

- High reliability, good adhesion, Long term resistance to yellowing, endurance of long term thermal shock;
- High luminous flux, good fog level, Shielding the light source and without affecting the Light-through rate;
- Super high lighting angle;
- Uplifting the glass overall resistance to pressure;
- Good heat conductivity, close to 0.5W;
- Good construction performance, consecutive construction without bubbles, high rate of good product;
- Product high solid content and low viscosity, low viscosity construction, less hanging port construction, less labor cost, low utility cost per unit, natural drying in 30 minutes;
- High safety, ROH report, Halogen free, sulfur free and fluoride free
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四、Product performance

Project	Testing method	Result
Adhesion	After the blade is Cross-Cut Tested, water boiled for 60 minutes, 3M adhesive tape sticked	Zero class, without any fall-off after testing
resistance to yellowing	180 degree, one hour (The water temperature endurance of 140 degree, one hour)	No color change
	70 degree, 5000 hours	No color change (Integrating sphere testing light through rate less than 2%)

High endurance Silica gel;	Silicone glue coating	No coating change
Light-through rate	integrating sphere	85~95 adjustable
Fog level	Fog level tester	light-through rate 89 and fog level 95
Thermal shock experiment	-40 degree~ 180 degree cycle testing	Above 500 hours
Strength test	Pressure test	After coating, glass lamp upfront compression strength increased by 50%
Lighting angle	Light angle distribution device	After coating, the light angle increased by 100 degrees
Color temperature deviation	Color measurement instrument	Color temperature deviation Plus or minus 200 K
The color index deviation		Positive deviation
Coating performance test		
Dilution performance	Dilution coating to 18 seconds	No grain
Defoaming	Direct manual spray coating	No bubbling, natural deformer in water; No dazzling
Tail light lamp	Tail light coating manually, self-drying	Top and even, no light-leak , no grain, No flow mark

五、 Product specifications

Model	Factory viscosity	Utility viscosity	Solvent	
1002	35-40	15-35	Butyl	
1020	55	15-35	Butyl	
W1200	50--60	12-45	Alcohol or pure water	End to be baked

Utility viscosity is adjustable according to client requirements, suit for construction method such as press coating、 spray coating and absorbing coating etc

Other products

LED High reflective coating -----applicable on the back of flat lamp to replace the Plastic light reflecting film.

Advantages: improve the efficiency of the assembly, reduce the labor cost consumption.

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Commodity	CAS Number	Quantity	Unit Price
LED glass tube coating		25 KG /BARREL	US\$225.00