



Acrylic Electrodeposition Resin TE-2300A

Product's Description	TE-2300A is composed by Polyacrylate and Polyurethane (PU) type hardener to form Cathodic Electro-deposition (CED) coating paint that is high in solid content. Coated film has good physical and chemical performances, especially has good perspiration resistance and shows excellent performance in RCA test. At the same time, the coated film also has perfect film evenness and hardness that make it very suitable to coat as the topcoat for various articles. This product provides excellent appearance protection to formed or plated metals.		
Application	For electrocoating of metals or electric conductive workpiece.		
Product's Specifications	Appearance : Yellowish viscous liquid. Solic Content : 60 ± 2 % w/w Viscosity : 3000-8000 cps		
Major Components	Modified Polyacrylamide Resin	60 ± 2 % w/w	
	Total Solvent ^{Remark 1}	31 ± 2 % w/w	
	Additives	9 ± 2 % w/w	
Recommended Operating Standards	1. Recommended Electrode Ratio = 3/1~2/1 2. Recommended Operating Voltage = 30~100 volt 3. Recommended Baking Standards = 150°C × 30 min or 130°C × 60 min		
Basic Physical and Chemical Properties ^{Remark 2}	Pencil Hardness	ASTM D3363-74	2~3H
	Adhesion	ASTM D3359-83	100/100
	Impact Resistance	ASTM D2794-82	1/2 φ × 500g × 300mm
	Solvent Resistance	MIBKWipe (1kg)	> 200 times
		Acetone Wipe (1kg)	> 200 times
		Alcohol Wipe (1kg)	> 500 times
	Boiling Water Resistance	Boiling Water 100°C	> 2 hr
	Salt Spray Resistance	ASTM B117-95	300 hr
	Perspiration Test	55°C Acidic Artificial Sweat	72 hr
RCA Test	ASTM 2357-04 (Norman 7-IBB)	620 times	
Film's Specific Gravity	1.2 g/cm ³		
Theoretical Coverage	43.17 m ² per make-up of feed at 95% efficiency and film thickness 10 μ m.		



Tatung Fine Chemicals Co. Technical Data Sheet

Packaging	55 Gallon Drum	Gross Weight : 217 kg
		Net Weight : 200 kg
Application Data	Bake: 30 minutes at 150°C or 60 minutes at 130°C	
	VOC: 20-35 grams per liter minus water (as supplied)	
	HAPs: None	
	Heavy Metals: None	

Remark :

1. Ethylene Glycol Butyl Ether concentration 12±1%, Isopropyl Alcohol concentration 11±1%, Ethylene Glycol Mono-hexyl Ether concentration 8±0.5%.
2. Data obtained under condition of Zinc Phosphated Standard Plat with film thickness 20±2 μ m.



Tatung Fine Chemicals

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The Data that provided in this sheet is obtained under optimal and normal operating standard condition, TFC does not guarantee customer to obtained the exactly results as stated in this sheet.