



## POLYCHEM UV/EB INTERNATIONAL CORP.

### Conductive and Transparent Polymer Coating



POLYCHEM #JN0313-2-B is a waterborne high-performance conductive coating material with high transparency. It was developed by the latest conductive polymer technologies. POLYCHEM #JN0313-2-B can be applied to produce transparent coating with low surface resistivity.

#### Features:

- 》 Waterborne
- 》 High Conductivity
- 》 High Transparency
- 》 Temperature Resistance
- 》 Cost Competitive to Replace Expensive ITO Coating
- 》 Superior durability of sliding resistance than ITO
- 》 Excellent water/IPA resistance
- 》 Enhanced Color Performance
- 》 Excellent Adhesion on PET, Polycarbonate, Glass and Many Substrates
- 》 Flexible, Bending and Abrasion Resistance

#### Physical Characteristics:

Appearance: Low Viscosity Light Bluish Liquid

Viscosity: 250~400 cps

Electric Resistivity: 250 ohm/square (T: 97%) @ 16 microns of wet film

(Resistivity is thickness dependence of coating)

#### Coating Methods:

Spin coating method, slot Coating method, roller coating, wire bar coating, etc.

#### Recommended Drying Conditions: Hot air 110- 130C for 7~20 minutes

Note: drying conditions depend on coating thickness, temperature, thermo conductivity of the substrate Avoid drying of the coating at the walls of the containers. The dried coating is not dispersible in the wet coating again and may reduce the optical and conductive properties.

Incompatible Materials:

Avoid contact with alkaline or strong oxidizing agents, or the conductivity may be reduced.

Shelf Life: Min. 3 months from the manufacturing date for un-opened package

Delivery Package: 1 kg, 5kg, 20kg / bottle

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