



POLYCHEM UV/EB INTERNATIONAL CORP.

Super Hydrophilic Coating

POLYCHEM® # JN1317-B is a water based highly hydrophilic coating, developed by the latest coating technologies, used for the surface modifications of the bio-electrodes. It significantly improves the wetting power of the coated surfaces and increases sensitivity, accuracy of the sensor or electrodes.

Applications:

Hydrophilic treatment for the electrodes of bio-chips, bio-sensors, bio-testing straps.

Product Advantages:

- › Water based, environmental friendly.
- › Excellent bonding strength to PET and various plastic substrates.
- › Highly hydrophilic and wetting power to liquids, such as water, blood, urine, body fluids, etc.
- › Fast drying speed.
- › Clear and transparent.
- › Stable and will not be affected by environmental humidity during storage.
- › Very fast response time > 6 mm Ø @ 3µl.
- › Low viscosity, easy to process.
- › Improves the stability, accuracy and sensitivity of the bio-sensors.

Physical Characteristics:

Appearance: milky white semi-transparent liquid

Viscosity: < 80 cps @ 25C

Service Temperature: up to +85 °C

Recommended Coating Thickness: 5-10 microns (wet film)

Recommended Drying Conditions: 75-110⁰C x 3-5 minutes

Storage Condition and Shelf life: Dark place, 10~25C, 12 months from date of manufacturing

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