

TECHNICAL DATA SHEET

RCA-3000 CL01(TR65695)
July, 2012

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Transparent Liquid Dielectric

RCA-3000 CL01(TR65695)

1. FEATURES

RCA-3000 CL01(TR65695) is 1 component-type, thermal curable liquid dielectric with following features:

- a) Clear appearance
- b) Screen-printable
- c) Excellent adhesion to substrate

2. SPECIFICATION

Color	Clear
Viscosity	50 dPa·s (Cone-plate type viscometer, 5rpm / 25deg.C)
Solid Content	34wt% (Calculated value)
Specific gravity	1.0
Standard thermal curing condition	90deg.C / 30 min. (Hot air convection oven)
Shelf life	Under evaluation

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3. PROCESS CONDITION

Process		Range
Substrate	PET	
Printing	225 mesh-count, Tetoron biased screen	100-300 mesh
Thermal curing	90deg.C / 30 min. (Hot air convection oven)	30-60min.

4. ATTENTION ON PROCESS

- 1) Operation under yellow (UV cut) lamp in a clean room with ambient temperature at 20-25 deg.C / 50-60%RH
- 2) Stir well before use.
- 3) Adequate coating thickness after curing is 10-20um.
- 4) As curing conditions are variable depending on the type of the drying oven, the board quantity to input, etc., set it suitable to your process after testing.
- 5) Washing solution for screen is ether or ester-based solvent.
- 6) Please use this product without dilution. In case if there is any difficulty with printability, our recommendable diluting solution is Carbitol Acetate.

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Item	Test Method	Test Result
Adhesion to untreated PET	TAIYO Internal Test Method Crosscut test	100 / 100
Adhesion to ITO	TAIYO Internal Test Method Crosscut test	100 / 100
Pencil hardness	TAIYO Internal Test Method No scratch on substrate surface	HB

6. ATTENTION

- A. All test data shown above in this technical data sheet are based on our laboratory test result and only for reference, not guarantee the same on your process.
- B. All chemicals used in this product might have unknown toxicity. Please handle with your most care referring to the MSDS for use.
- C. No intentional use of RoHS subjected 6 substances (Cadmium, Lead, Mercury, Hexavalent chromium, PBBs and PBDEs) for this product.