

Preliminary Data Sheet

THICK FILM MATERIALS

Product Type: Polymer Thick Film

Product Name: SM2000

CELCION

Solder Mask



Description

SM2000 is a white screen printable, single component, and fast curing modified silicone coating used for solder mask application. This white cover coat, when properly cured, yields a chemically inert film which will not react with circuit components. It is compatible with Celcion® dielectrics and silver conductors.

Key Benefits

- REACH¹ and ROHS² compliant
- Screen printable
- Excellent resistance to SAC305 solder at 250 °C
- Excellent solvent resistance
- Chemically inert
- Compatible with Celcion® dielectrics and silver conductors

Typical Properties

Viscosity

30 – 120 Kcps, Brookfield HBT

SC4 – 14 spindle and 6R utility cup at 10 rpm, 25 °C

Recommended Processing Guidelines

Printing

250 mesh stainless steel screen
0.5 mil emulsion

Curing

60 minutes at 200 °C

Cured Thickness

15 – 30 µm

Thinner

RV-252

Warranty

To be determined

Storage

Store in a dry location at 5 – 25 °C.

DO NOT REFRIGERATE.

Spatulate well before using, as settling may occur during storage

Handling and Precautions

Use in a well-ventilated area

In general, avoid contact with skin.

Wash with soap and water.

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Legend:

1) REACH compliant according to the latest ** Annex XIV to Regulation (EC) of the European Parliament and of the council on the Registration, Evaluation, Authorisation and Restriction of Chemicals ("REACH") by European Chemicals Agency and its subsequent amendments; the material does not contain any substance listed in Annex XIV.

2) RoHS compliant according to the latest ** Directives (European Union) of Restriction of Hazardous Substances ("RoHS") and its subsequent amendments (including the exceptions related to Pb)

* See the data sheet issue date (DD/MM/YY) as reference of validity of latest edition which is available on request

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