

Technical Data Sheet



THICK FILM MATERIALS

Product Type: Polymer Thick Film

Product Name: UVD5370GR

Solder Mask/ Covercoat

Description

UVD5370GR is a UV curable solder mask, covercoat, or dielectric designed for rigid substrates. UVD5370GR offers rapid cure combined with outstanding adhesion and resistance to solvents.

Key Benefits

- UV curable
- High adhesion
- Chemically resistant

Typical Properties

Form:

Green thixotropic paste intended for screen printing

Viscosity:

10 – 30 Kcps; Brookfield HBT
Spindle #14 @ 50 rpm, 25 °C

Chemical Resistance:

Excellent solvent resistance.
Can be immersed for more than 15 minutes in halogenated hydrocarbons, acetone, and lower alcohols without degradation. Resistant to most dilute acids.

Thermal Stability/Solder Resistance:

Withstands molten solder (250 °C) up to 1 hour while exposed to an RMA type flux.

Coverage:

205 cm²/g @ 25 microns cured film thickness

Recommended Processing Guidelines

Printing:

250 – 280 mesh screen
0.5 mil emulsion
0.02 inch snap-off.

Curing:

200 W/sq. in. ultraviolet source cure time < 1 second

Thickness:

Cured: 25 microns

Thinner:

RV-825

Warranty:

Material guaranteed to meet specifications for 6 months from date of shipment

Storage:

Store in a dry location at 5 – 25 °C

DO NOT REFRIGERATE.

Allow paste to come to room temperature prior to opening. Spatulate well before using, as settling may occur during storage.

SPECIAL NOTE:

Some of these materials may show resistance shifts due to thermal storage. Stability baking has been shown to minimize this behavior.

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Legend:

- 1) Properties for single print of 25 microns.
- 2) I.R. measured with water drop present.
- 3) Keithley electrometer, 1M NaCl solution, 4 hour immersion.
Heraeus 5260 epoxy conductor

Heraeus Electronics
Heraeus Deutschland GmbH & Co. KG
Heraeusstraße 12 – 14
63450 Hanau, Germany
www.heraeus-electronics.com

Americas
Phone +1 610 825 6050
electronics.americas@heraeus.com

China
Phone +86 53 5815 9601
electronics.china@heraeus.com

Asia Pacific
Phone +65 6571 7649
electronics.apac@heraeus.com

Europe, Middle East and Africa
Phone +49 6181 35 4370
electronics.emea@heraeus.com