

Technical Data Sheet

THICK FILM MATERIALS

Product Type: Dielectrics

Product Name: IP7098



Nitrogen Fireable Overglaze

Description

IP7098 is a screen printable vitreous overglaze developed as a protective encapsulant for resistors and copper. IP7098 fires to a dense, pinhole-free green color for optimum laser trimming.

Key Benefits

- REACH¹ and ROHS² compliant
- Laser trimmable
- Copper and resistor compatible
- Green colour
- Fires in N₂ to a smooth dense surface
- High moisture resistance
- Cd free

Typical Properties

Coverage

180 cm²/g at 10 µm fired film thickness

Viscosity

70 – 110 Kcps, Brookfield HBT, SC4-14 spindle and 6R utility cup at 10 rpm, 25 °C

Solids

70.0 ± 2.0 %

Recommended Processing Guidelines

Printing

325 mesh stainless steel screen
0.5 mil emulsion
1.1 mil wire

Drying

150 °C for 10 minutes

Firing

See attached profiles
Oxygen content should be 3 – 10 ppm

Thickness

Wet:	26 – 30 µm
Fired:	12 – 15 µm

Thinner

RV-507

Warranty

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

Storage

Store in a dry location at 5 – 25 °C.

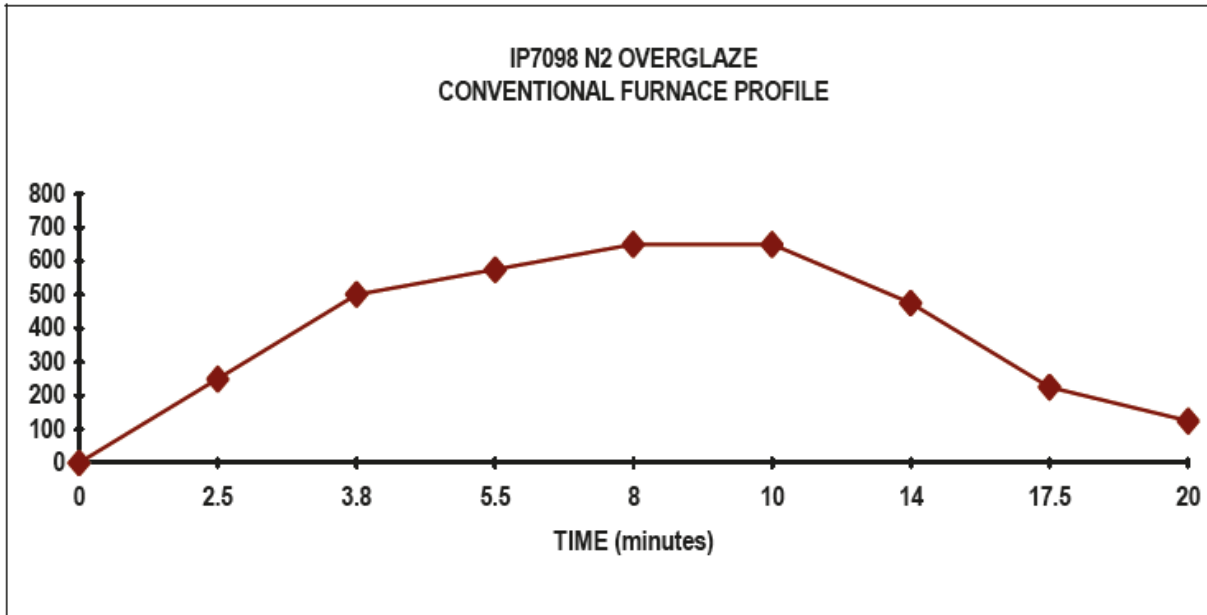
DO NOT REFRIGERATE.

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

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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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