

SD1019

Dielectric / Glaze

Description

SD1019 is a screen printable 850 °C overglaze paste. Because of the high firing temperature it fires to a transparent green color and very dense glaze layer which is highly resistant vs acid, especially to protect heating tracks on dielectric on steel.

Key Features

- Extremely resistant vs citric acid and salt fog / spray
- Excellent compatibility with HERAEUS heating tracks and its conductor termination on dielectric SD1010



This picture does not show the packaging of SD1019 and is solely intended for illustration purposes. The products are available in different packaging configurations and may change over time. Please refer to the latest safety data sheets for safety-relevant pictograms.

Typical Properties

Viscosity	16 – 22 Pas (23 °C, D = 33/s)
Solids	68.0% ± 1.5%
Blendable	
Coverage	
Color	Green, transparent

Recommended Processing Guide

Printing Parameters	Print through a 200 – 325 mesh stainless steel screen.
Printing Speed	
Leveling	
Drying Temperature	Dry at 150 °C for 10 minutes.
Process Temperature (TDS)	Fire at 850 °C (peak) for 10 – 12 minutes, and with a total firing cycle time of c. 30 – 60 minutes
Film Thickness	14 – 22 µm
Recommended Thinner	HVS 507
Paste Compatibility	Dielectrics SD 1010 Heating Tracks SR 21-350-025 SR 21-350-100 Termination SC 1001 (AgPt) (of Heating Tracks)

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Warranty

6 months

Storage

Store in a dry, cool (5 – 25 °C) and dark place with container tightly shut.

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