PD 5100NBL

Polymer Thick Film

Description

PD 5100NBL is a black, one-component screen printable paste, based on a silicone resin. It is designed for use as a coating for mechanical circuit protection.

Key Features

- This material, when properly cured, yields a chemically inert film, which will not react with circuit components
- The cured film exhibits outstanding resistance to solvent attacks and shows a good thermal stability
- Free of lead, cadmium, nickel, and phtalate
- REACH and RoHS compliant

This picture does not show the packaging of PDL5100NBL 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	40-60 Pa·s (25°C, D = 100/s)
Color	Black

Recommended Processing Guide	
Printing Parameters	Mix well prior to using. If stored in a cool environment, allow paste to return to room temperature prior to opening to avoid condensation. Print using a 200 mesh stainless steel screen.
Leveling	Level at room temperature post printing (wet) for 5-10 minutes
Drying Temperature	150° for 1 hour or 280°C in IR for 20 minutes
Film Thickness	30 µm cured
Recommended Thinner	Heraeus HVS 100, Heraeus HVS 252

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Warranty

Material guaranteed to meet specifications for 3 months from date of manufacturing with proper storage.

Storage

Store in dry, cool (2 – 23 °C) and dark place with container tightly shut. Avoid exposure to sunlight and high humidity. Spatulate well prior to processing.

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All changes are based on information displayed using the template data_sheet/HET/TFM/print_data_sheet.html.twig.
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