

451BA

Conductor

Description

451BA is a low firing fritted platinum conductor paste. 451BA exhibits excellent solderability on glass substrates.

Key Features

- Low firing temperature
- Excellent solderability



This picture does not show the packaging of 451BA 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	900-12000 cps Brookfield RVT #14 spindle, 100 rpm, 25 °C
Solids	60% ± 1%
Alloy Ratio	100
Metal	Pt
Color	Black

Recommended Processing Guide

Drying Temperature	150 °C for 10 minutes
Process Temperature (TDS)	600-650 °C peak temperature. Dwell time of 10 minutes, 45-minute cycle time.
Recommended Thinner	RV-997

451BA

Conductor

Warranty

Material guaranteed to meet specifications for 3 months from date of shipment.

Storage

Store in a dry condition 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.

Americas

Phone +1 610 825 6050

electronics.americas@heraeus.com

Asia Pacific

Phone +65 6571 7649

electronics.apac@heraeus.com

China

Phone +86 53 5815 9601

electronics.china@heraeus.com

Europe, Middle East and Africa

Phone +49 6181 35 4370

electronics.emea@heraeus.com

The descriptions and engineering data shown here have been compiled by Heraeus using commonly accepted procedures, in conjunction with modern testing equipment, and have been compiled as according to the latest factual knowledge in our possession. The information was up-to date on the date this document was printed (latest versions can always be supplied upon request). Although the data is considered accurate, we cannot guarantee accuracy, the results obtained from its use, or any patent infringement resulting from its use (unless this is contractually and explicitly agreed in writing, in advance). The data is supplied on the condition that the user shall conduct tests to determine materials suitability for particular application. The Heraeus logo and Heraeus, figurative mark are trademarks or registered trademarks of Heraeus Holding GmbH or its affiliates. All rights reserved.