

C-300

Polymer Thick Film

Description

C-300 is a graphene enhanced carbon conductive ink designed for use in medical electrodes.

Key Features

- Incredible fine line capability (<50 µm line width)
- Excellent open time on screen
- Easy to process and clean
- stable resistance print to print
- Can be used in medical sensor applications



This picture does not show the packaging of C-300 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

Conductivity	8-25 Ω/Sq/mil
Viscosity	50 - 60 Pa.S.
Solids	42 - 55%
Color	Black

Recommended Processing Guide

Printing Parameters	Polyester Mesh (157 to 230 TPI) Steel Mesh (165 to 325 TPI)
Drying Temperature	130°C
Film Thickness	12-25 µm DFT
Recommended Thinner	Solvent 30
Paste Compatibility	Compatible with all PriElex products

C-300

Polymer Thick Film

Warranty

6 Month

Storage

Store at ambient conditions away from direct light. Material should be thoroughly mixed or rolled on a jar roller at a slow speed for 1 hour prior to use

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.

All changes are based on information displayed using the template [data_sheet/HET/TFM/print_data_sheet.html.twig](#).
Version (last updated) 04 Jun 2026