

Technical Data Sheet

Electronic Component Materials Pastes for Disc Varistor Devices

Application

Ferro offers a broad selection of conductor pastes suitable for many applications in multilayer and ceramic chip components. Ferro's in-house metal and glass formulation and R&D enables

us to tailor products to meet specific needs, including working closely with customers to develop the optimum processing methods such as screen printing, drying and firing.

Thick Film Conductors for Varistor Disc Devices

Product Code	61300033	61300036
Typical Applications	Varistors, NTC Thermistors, and MLCC	Varistor Discs and Plates
Metal Composition	Ag	Ag
Application Methods	Screen Printing	Screen Printing
Solderability	Good	Good
RoHS Compliant	Yes	Yes
Typical Formulation Properties		
Viscosity in Pa-s at 25°C	18.0 - 22.0	10.2 - 13.8
Weight-% Solids Content	83.0	74.5
Weight-% Ag Content	80.6	69.1
Typical Processing Parameters		
Solvent Loss Replacement Additive	68100063	68100063
Printing Screen Mesh	200 - 325	200 - 325
Drying (Peak Temp / Time)	150°C/10 min.	150°C/10 min.
Firing (Peak Temp / Time)	600-750°C/8-10 min	650-700°C/7-10 min



Limitation of Warranty and Liability

Ferro believes that the information contained in this document is accurate at the time of its publication. Ferro makes no warranty with respect to the information contained in this document. The information in this document is not a product specification, either in whole or in part. Your use of the information contained in this document and your purchase and use of this Ferro product are at your sole discretion. Downstream users are responsible for determination of the suitability of this product and for testing in specific applications. Nothing in this document shall be construed as a license for use that infringes upon any property rights of any third party. Please refer to the Safety Data Sheet (SDS) for safe use, handling and disposal information. All sales by Ferro to you are subject to Ferro's Terms and Conditions of Sale, as amended from time to time and available at www.ferro.com. In the event this document conflicts with Ferro's Terms and Conditions of Sale, Ferro's Terms and Conditions of Sale shall control.