



Ceramic Powder Paper Type CPP

General Information

ZIRCAR Ceramics' Ceramic Powder Paper products are combinations of specially-processed ceramic powders and proprietary organic binders tape cast into thin uniform sheets. Useful as separating media in high temperature sintering applications or as dopant feedstocks, Type CPP's binder burns away cleanly at a very low temperature resulting in a thin, highly uniform layer of inert refractory particles. CPP is available in a range compositions, thicknesses and sizes. CPP is a developmental product and is subject to change without prior notice.

Benefits:

- Reduces costs associated with hand-applying sands and powders.
- Produces extremely uniform "single layer" of powder.
- Eliminates sticking, setter drag, and cracking of fragile parts during firing.
- Allows for stacking of ceramic parts, maximizing furnace capacity and efficiency.
- Reduces lead loss in PLZT and PZT piezoceramics.
- Useful in combination with ZIRCAR Ceramics' Alumina Type ZAL-45 for firing LTCC and other flat ceramics with precious metal traces.



Availability

CPP is available in a number of compositions including: Al_2O_3 , MgO and ZrO_2 . CPP can be made in other custom compositions with the use of customer specified powders.

Types	Description	Composition, %, Calcined
CPP-1F	Al_2O_3 , fine grain, 0.001"T	99.6+
CPP-1M	Al_2O_3 , medium grain, 0.005"T	99.6+
CPP-2	MgO, medium grain, 0.003"T	99.8 - 99.9
CPP-3F	ZrO_2 , fine grain, 0.002"T	97 - 99 ZrO_2 , 1 - 3 HfO_2
CPP-3M	ZrO_2 , medium grain, 0.008"T	97 - 99 ZrO_2 , 1 - 3 HfO_2
CPP-3C	ZrO_2 , coarse grain, 0.018"T	97 - 99 ZrO_2 , 1 - 3 HfO_2

ZIRCAR Ceramics, Inc

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Standard 10 Packs

Item #	Description
D190AF-01	CPP-1F, 4"W x 6"L x 0.001"T, 10-Pack
D190AM-01	CPP-1M, 4"W x 6"L x 0.005"T, 10-Pack
D190MM-01	CPP-2, 4"W x 6"L x 0.003"T, 10-Pack
D190ZF-01	CPP-3F, 4"W x 6"L x 0.002"T, 10-Pack
D190ZM-01	CPP-3M, 4"W x 6"L x 0.008"T, 10-Pack
D190ZC-01	CPP-3C, 4"W x 6"L x 0.018"T, 10-Pack

To Order:

Standard 10 Packs: order online or specify quantity, item # and description. Six grades of standard CPP are stocked in small quantities for immediate shipment from stock. Larger quantities can be manufactured.

Custom preparations: CPP can be supplied in a variety of cut sheet sizes, rolls 4"W x 15'L or rolls up to 20"W x 75'L.



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