

3M™ Diamond Pad Conditioner A165-CIP

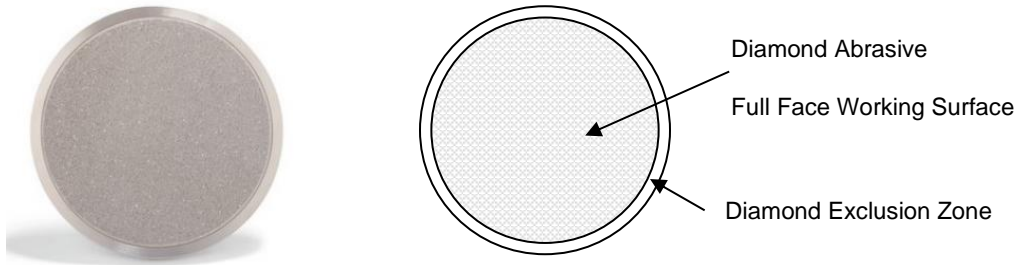
Product Description

3M™ Diamond Pad Conditioner A165-CIP is a highly engineered chemical mechanical planarization (CMP) pad conditioner that delivers reliable performance for critical semiconductor CMP applications. It utilizes sintered abrasive technology for excellent diamond retention, with controlled diamond placement and protrusion. 3M™ Diamond Pad Conditioner is designed with CMP control, consistency, cost of ownership and customization in mind, and enables you to benefit from collaboration with 3M's global technical capability and manufacturing capacity.

Key Features and Benefits

- Diamonds secured with both chemical and mechanical bonds for excellent diamond retention
- Controlled diamond protrusion and disk flatness
- Aligned diamonds with controlled diamond spacing
- Optimized for extended pad and disk life
- Helps to reduce the number of maintenance shutdowns, increasing the potential for lower cost of ownership

3M™ Diamond Pad Conditioner A165-CIP



Product Construction/Material Description

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.

3M™ Diamond Pad Conditioner A165-CIP	
Carrier Substrate	304SS
Carrier Size (Diameter)	4.25in
Abrasive Material	Nickel Based alloy with patterned diamond
Abrasive Working Surface	Full Face

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Typical Physical Properties and Performance Characteristics

Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes. Final product specifications and testing methods will be outlined in the product's Certificate of Analysis (COA) that is shipped with the commercialized product.

Property	Value
Diamond Size (nominal size)	251µm
Diamond Type	Type 2, Blocky
Flatness	< 100µm
Aggressiveness Value	15-19

Application Ideas

Universal CMP pad conditioner for many types of process steps and CMP pads.

Storage and Shelf Life

The shelf life of 3M™ Marketplace Name and Product Number is 2 years from the date of manufacture when stored in the original packaging materials at 21°C (70°F) and 50% relative humidity.

Certificate of Analysis (COA)

The 3M Certificate of Analysis (COA) for this product is established when the product is manufactured and deemed commercially available from 3M. The COA contains the 3M test methods, specifications limits and test results for the product's performance attributes that the product will be supplied against. Contact your local 3M representative for this product's COA.

Safety Data Sheet: Consult Safety Data Sheet before use.

Regulatory: For regulatory information about this product, contact your 3M representative.

Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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