

3M™ Diamond Pad Conditioner A189L

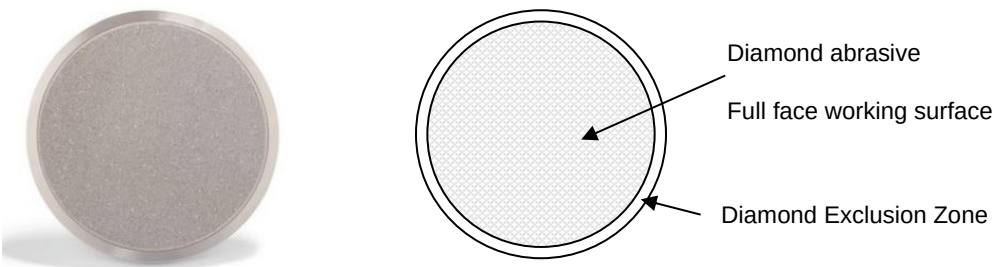
Product Description

3M™ Diamond Pad Conditioner A189L 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 A189L has CMP control, consistency, cost of ownership and customization in mind, and benefits 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

3M™ Diamond Pad Conditioner A189L



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 A189L	
Property	Value
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 3, Semi-blocky
Flatness	< 75µm
Aggressiveness Value	14-16

Applications

Universal CMP disk for various process steps and CMP pads.

Storage and Shelf Life

The shelf life of 3M™ Diamond Pad Conditioner A189L is 2 years from the date of manufacture when stored in the original packaging materials and stored 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.

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Safety Data Sheet: Consult Safety Data Sheet before use.

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

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