

3M™ CMP Pad Conditioner Brush PB42A

Product Description

3M™ CMP Pad Conditioner Brush PB42A helps enable critical semiconductor soft pad applications by enhancing corrosion resistance and help reduce the risk of metal contamination. 3M™ CMP Pad Conditioner Brushes are designed with CMP control, consistency, cost of ownership and customization in mind, and help enable you to benefit from the collaboration with 3M's global technical capability and manufacturing capacity.

Key Features

- Polymer substrate enhances corrosion resistance and helps reduce the risk of metal contamination
- Durable brush bristles assist with removal of pad debris from poromeric and felt-based pads
- Screw on connection to polishing tool
- Shorter fiber length

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™ Pad Conditioner Brush PB42A	
Carrier Substrate	Polycarbonate, black
Carrier Size (Diameter)	4.25 in
Fiber Material	Nylon Fiber
Abrasive Working Surface	Full Face

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
Fiber Length (nominal)	0.15 in
Fiber Density	>6000/sq.in.
Fiber Diameter (nominal)	0.005 in

Application Ideas

Universal CMP brush for soft pad applications (e.g. copper barrier, dielectric and metal buff applications)

Storage and Shelf Life

The shelf life of 3M™ Pad Conditioner Brush PB42A is 2 years from the date of manufacture when stored in the original packaging materials at 21°C (70°F) and 50% relative humidity.

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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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