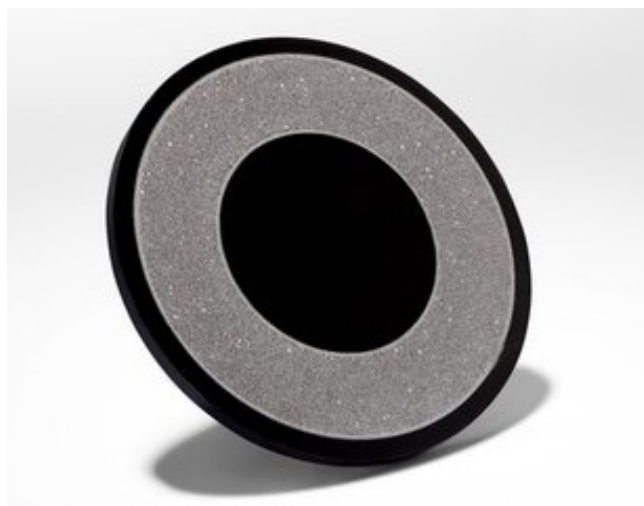


# 3M™ Diamond Pad Conditioner A2812



## 3M Stock #:

60-0200-2031-3

## General Description

Product Type	Diamond Pad Conditioner
Product ID	3M™ Diamond Pad Conditioner A2812
Manufacturer	3M Company
Manufacturing Location	Cottage Grove, Minnesota, USA

## Introduction

Highly engineered pad conditioners deliver reliable performance for critical semiconductor CMP applications. Utilizes Sintered Abrasive Technology for excellent diamond retention, with controlled diamond placement and protrusion.

## Features and Benefits

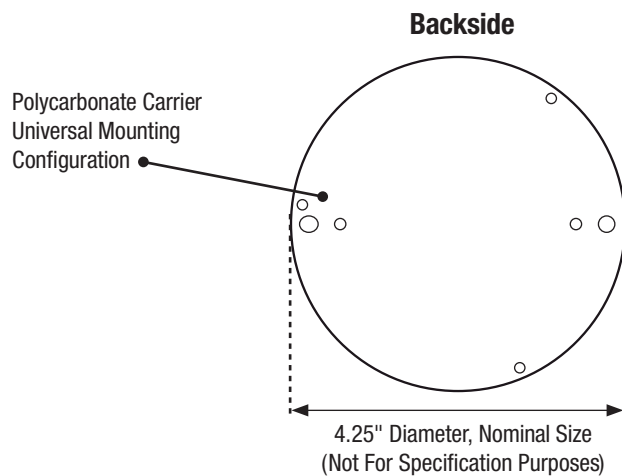
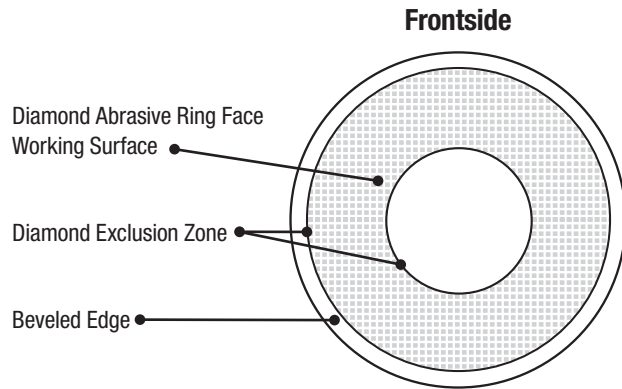
- Helps to reduce the number of maintenance shutdowns, increasing the potential for lower cost of ownership
- Optimized for extended pad and disk life
- Diamonds secured with both chemical and mechanical bonds for excellent retention
- Exclusive polymer substrate enhances corrosion resistance

## Pad Conditioner Construction

Carrier (substrate material)	Polycarbonate, black
Carrier Format	Disk, with bevel edge
Carrier Size (diameter, nominal size)	4.25 in
Abrasive Material	Nickel based alloy with patterned diamond
Abrasive Working Surface	Ring face

## Design Parameters

Diamond Size (nominal size)	181 $\mu\text{m}$
Diamond Type	Type 4, semi-sharp
Diamond Pattern Type	Square array
Flatness	<100 $\mu\text{m}$
Aggressiveness Value (BL)	20-26



### Diamond Pad Conditioner Construction

Carrier Material	Polycarbonate
Carrier Size (diameter, nominal size)	4.25 in
Abrasive Material	Nickel based alloy with patterned diamond
Abrasive Working Surface	Ring face
Diamond Size (nominal size)	181 μm
Diamond Type	Type 4, semi-sharp

**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.

**Product Use:** Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

**Warranty, Limited Remedy, and Disclaimer:** Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

**Limitation of Liability:** Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.



**Electronics Materials Solutions Division**

3M Center, Building 225-3S-06  
 St. Paul, MN 55144-1000  
 1-800-251-8634 phone  
 651-778-4244 fax  
 www.3M.com/electronics

3M is a trademark of 3M Company.  
 Please recycle.  
 ©3M 2014. All rights reserved.  
 60-5002-0439-5

