



Polishing Film

291X, 298X, 491X, 498X, 591X and 598X

Technical Data Sheet

January 2004

Product Description

3M™ Polishing Film is comprised of micron graded mineral that has been coated onto a fibrous (flocked) polyester film backing. Designed to break down into a slurry during use with water. Available plain or with PSA (Pressure Sensitive Adhesive)

Applications

Processing MT fiber optic connectors, plastic finishing, metal finishing and roll superfinishing.

Key Features

- Better control of fiber protrusion
- Improved throughout
- Fewer rejects
- Elimination of slurry clean-up
- Reduced equipment maintenance costs

Product I.D. Mineral Size Grading Chart

Product ID (plain back)	Product ID (with PSA backing)	Mineral	Micron Grade (nominal)	Color
591X	598X	Cerium Oxide	0.5	Peach
291X	298X	Aluminum Oxide	0.5	Pink
291X	298X	Aluminum Oxide	1	Lt.Green
491X	498X	Silicon Oxide	3	Gray

Converted Forms

Sheets, Discs and Rolls.
Maximum width 26".

Backing

Flocked fibers on 2mil polyester film.

Bonding Resins

Only standard resin available.

Storage and Shelf Life

Recommended Storage Conditions:

Temperature 50 – 90°F

Relative humidity 30 – 70%

(There is no degradation with time. It is recommended that product be used within 24 months of purchase.)

FOR ADDITIONAL INFORMATION: To request additional product information or to arrange for sales assistance, call 1-800-251-8634. Address correspondence to: 3M Industrial Business Customer Response Center, Building 21-1W-10, 900 Bush Avenue, St. Paul, MN 55106. Our fax number is 651-733-9175. In Canada, phone: 1-800-364-3577. In Puerto Rico, phone: 1-787-750-3000. In Mexico, phone: 52-70-04-00.

PRODUCT USE: All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

WARRANTY AND LIMITED REMEDY: Unless stated otherwise in 3M's product literature, packaging inserts or product packaging for individual products, 3M warrants that each 3M product meets the applicable specifications at the time 3M ships the product. Individual products may have additional or different warranties as stated on product literature, package inserts or product packages. 3M MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. If the 3M product is defective within the warranty period, your exclusive remedy and 3M's and seller's sole obligation will be, at 3M's option, to replace the product or refund the purchase price.

LIMITATION OF LIABILITY: Except where prohibited by law, 3M and seller 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.



Industrial Business

Electronics Markets Materials Division
900 Bush Avenue, Building 21-1W-10
St. Paul, MN 55106
phone: 1-800-251-8634
or 1-651-736-3068
www.3M.com/electronicmaterials



Minimum 30% Post-Consumer Fiber

Printed in U.S.A.
© 3M 2004

IBD4101
60-5002-0036-9