

**Manufacturer:**

3M™

Product Name:

3M™ 463X Silicon Carbide Lapping Film Disc - 5 inch 3µm (micron)

Manufacturer Part Number:

SC3-463X-503N

▶ Click here for more details on the 3M™ 463X Silicon Carbide Lapping Film Disc - 5 inch 3µm (micron)



Technical Data | November 2023

3M™ Lapping Films Series 461X, 462X, 463X, 466X, 468X, 468XY and 468XW

Product Description

3M™ Lapping Films Series 461X, 462X, 463X, 466X, 468X, 468XY and 468XW are comprised of tightly graded silicon carbide mineral slurry coated onto polyester film backings. These films are available with or without pressure sensitive adhesive (PSA) backing.

Applications

Fiber optic connector polishing, flat lapping and superfinishing.

Key Features

- Produces excellent surface finish
- Efficient polishing can help reduce overall process time
- Precise polishing can help produce higher yields
- Slurry not required

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. Not all products are available in all grades or mineral sizes.

Product ID (plain back)	Product ID (PSA back)	Resin Type
461X	468X	Standard
462X	468XY	Harder resin
463X	468XW	Easy breakdown resin for Multiple Push-On (MPO) connector polishing
N/A	466X	More durable resin (Type P)

Converted Forms

- Sheets, discs and rolls
- Maximum width 26 inches

Backing

- Polyester film, nominal thickness is 3 mil.

Contact the professionals at Fiber Optic Center for a quote or to get more details.

focenter.com • 508-992-6464 | (800) 473-4237 • sales@focenter.com

23 Centre Street • New Bedford, MA 02740 USA

Product specifications and data are subject to change without notice. FOC last update 1/8/2026.

**Manufacturer:**

3M™

Product Name:

3M™ 463X Silicon Carbide Lapping Film Disc - 5 inch 3µm (micron)

Manufacturer Part Number:

SC3-463X-503N

▶ [Click here for more details on the 3M™ 463X Silicon Carbide Lapping Film Disc - 5 inch 3µm \(micron\)](#)

3M™ Lapping Films 461X, 462X, 463X, 466X, 468X, 468XY and 468XW Product Grade Color Guide

Micron Grade (nominal)	Color
3	Gray
5	Gray
9	Gray
15	Gray
30	Green

Storage and Shelf Life

The shelf life of 3M™ Lapping Films 468X, 468XY, 468XW, and 466X are 24 months from the date of manufacture when stored in the original packaging materials and stored at 10°C - 30° C (50°F - 86°F) and 30-60% relative humidity.

The shelf life of 3M™ Lapping Films 461X, 462X and 463X are 5 years from the date of manufacture when stored in the original packaging materials and stored at 10°C - 30° C (50°F - 86°F) and 30-60% 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 references to the 3M specifications, test method names, and test results for the product's performance attributes that the product will be supplied against.

Contact the professionals at Fiber Optic Center for a quote or to get more details.

focenter.com • 508-992-6464 | (800) 473-4237 • sales@focenter.com

23 Centre Street • New Bedford, MA 02740 USA

Product specifications and data are subject to change without notice. FOC last update 1/8/2026.



Learn More



Manufacturer:

3M™

Product Name:

3M™ 463X Silicon Carbide Lapping Film Disc - 5 inch 3µm (micron)

Manufacturer Part Number:

SC3-463X-503N

▶ [Click here for more details on the 3M™ 463X Silicon Carbide Lapping Film Disc - 5 inch 3µm \(micron\)](#)

3M™ Lapping Films 461X, 462X, 463X, 466X, 468X, 468XY and 468XW

Safety Data Sheet: Consult Safety Data Sheet before use.

Technical Information: The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.

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. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product in accordance with all applicable instructions and with appropriate safety equipment, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

Warranty, Limited Remedy, and Disclaimer: Unless a different warranty is specifically stated on the applicable 3M product packaging or product literature (in which case such warranty governs), 3M warrants that each 3M product meets the applicable 3M product specification on the Certificate of Analysis, which is established when the product is manufactured and deemed commercially available and is provided 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, FITNESS FOR A PARTICULAR PURPOSE, OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM, OR USAGE OF TRADE.** If a 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement or repair of the 3M product or refund of the purchase price.

Limitation of Liability: Except for the limited remedy stated above, and except to the extent prohibited by applicable law, 3M will not be liable for any loss or damage arising from or related to the 3M product, whether direct, indirect, special, incidental, or consequential (including, but not limited to, lost profits or business opportunity), regardless of the legal or equitable theory asserted, including, but not limited to, warranty, contract, negligence, or strict liability.

Disclaimer: For industrial use only. Not intended, labeled or packaged for consumer sale or use.

Contact the professionals at Fiber Optic Center for a quote or to get more details.

focenter.com • 508-992-6464 | (800) 473-4237 • sales@focenter.com

23 Centre Street • New Bedford, MA 02740 USA

Product specifications and data are subject to change without notice. FOC last update 1/8/2026.