



# Brushlon™ Products

*Versatile, long-life performance for metal finishing, wood defuzzing, a variety of cleaning applications, and much more*



**Sheets and Rolls** 1  
**Belts**

**Discs**

**Wheels**  
**Cylinder Brushes**

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# Why use 3M™ Brushlon™ Products –

## Versatility to meet many requirements

Backed by more than 30 years experience in brush development, the 3M Brushlon line offers you multiple options: nylon or polypropylene bristles, wide range of fiber diameters, many brush sizes and configurations, multiple grades of silicon carbide or aluminum oxide abrasive, or no abrasive at all. Plus, the following:

- Durable resin backing can be curved and cut into numerous shapes to fit your application
- Hook and loop system on Type L products saves time and labor in brush changeovers

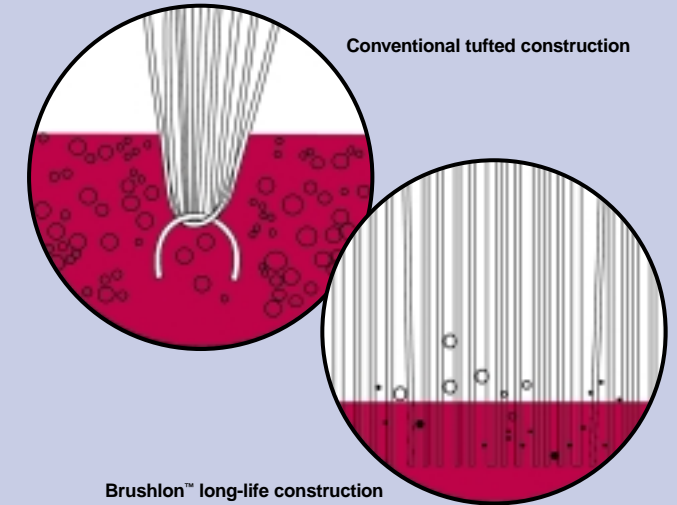
The possible combinations of options are proven in thousands of applications for cleaning, deburring, finishing, and more.

## Self-cleaning for consistent results

With unique non-tufted construction (at right), bristles are evenly spaced without gaps to collect particles and clog. Brushes stay on the job longer with more consistent results. Bristles are also less likely to break with equal support from one another.

## Individually anchored bristles for durability

In tufted brushes, multiple bristles are attached with only a single fiber. If it breaks, multiple bristles are lost. With non-tufted Brushlon materials, each bristle is individually anchored in tough resin. Bristle loss is minimal to maximize brush life.



## Metal – the light touch for molds, machined parts, dies, and more



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Flat sheets, machined parts, molds, dies, extrusions, castings, stampings – if it's metal and you need a light touch for cleaning, deburring, or paint prep, there's a wide variety of Brushlon alternatives to do the job quickly and cost effectively. Brushlon materials are proven on steel, aluminum and other metal components in aircraft, automobiles, lawn equipment, furniture, windows, PC boards, recreational vehicles, cookware, and more.

### Applications:

- Satin finishing
- Light burr and oxide removal for a circular refinable finish
- Scrubbing carbon steel in a mill with exposure to water and harsh chemicals
- Deburring aluminum aircraft structural components
- White metal surface reduction prior to automotive painting

## Wood – from pine to exotics, flooring to mantles and panels



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Pine, oak, walnut, maple, teak – whatever the wood, there's a Brushlon product to help you bring out the best in it for your application. Non-tufted construction provides long life on hard wood flooring and wall paneling. And unlike steel brushes, there's no chance of broken and flying wires when working architecturally-detailed mantles or other irregular shapes.

### Applications:

- Defuzzing wood panels prior to staining and sealing
- Grain relief
- Surface texturing
- Dusting raised panel doors and contours requiring a highly conformable brush

## Many cleaning applications – glass, conveyors, marble, more



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With the variety of converted forms and levels of cleaning aggressiveness, you can consider Brushlon materials for cost effectiveness and efficiency in applications beyond metal and wood. In equipment for washing glass, for example, Brushlon Type L (hook and loop) discs clean the glass without leaving a swirl pattern, and reduce brush replacement time from 4 hours to 30 minutes.

### Applications:

- Clean away particles and grime from conveyor belts
- Clean and finish marble and other stone
- Remove barnacles from boat bottoms with less wear on the undercoating
- Remove flash from molded plastic parts
- Defuzz and clean fiberglass parts

# 3M™ Brushlon™ Product Characteristics and Applications



420B

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## Nylon Abrasive Products: 420B, 430B, 220B, 230B, 429B, 439B

Characteristics	Typical Applications
Straight nylon fiber impregnated with silicon carbide or aluminum oxide abrasive grit	<ul style="list-style-type: none"> <li>• Metal deburring</li> <li>• Metal scuffing</li> <li>• Metal finishing</li> </ul>
Mild abrasive action with and without water	<ul style="list-style-type: none"> <li>• De-flashing</li> <li>• Oxide removal</li> <li>• Circuit board cleaning</li> </ul>
Light gray or light brown	<ul style="list-style-type: none"> <li>• Wood defuzzing</li> <li>• Wood grain relief</li> <li>• Stone cleaning and finishing</li> </ul>
Flexible urethane type 2 backing for greater chemical resistance	



520B

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## Solid Nylon Fiber Products: 520B, 530B

Characteristics	Typical Applications
Straight nylon fiber resistant to water and many solvents and chemicals	<ul style="list-style-type: none"> <li>• Glass cleaning</li> <li>• Conveyor belt cleaning</li> </ul>
Non-abrasive cleaning and dusting action with and without water	<ul style="list-style-type: none"> <li>• Cleaning strip steel</li> <li>• Dusting particle board prior to the sealer and print line</li> </ul>
Black	
Flexible urethane type 2 backing for greater chemical resistance	



630B

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## Hollow Nylon Products: 620B, 630B

Characteristics	Typical Applications
Straight hollow nylon fibers for a softer touch than solid nylon	<ul style="list-style-type: none"> <li>• Glass cleaning</li> <li>• Lithographic plate cleaning.</li> </ul>
Delicate non-abrasive cleaning action with and without water; Can be used with slurries	
Black	
Flexible urethane type 2 backing for greater chemical resistance	



320B

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331B (20° fiber tilt)

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## Nylon Short Trim Products: 320B, 321B, 331B\*

Characteristics	Typical Applications
Very high density nylon fiber in straight or 20° orientation	<ul style="list-style-type: none"> <li>• Sound deadening</li> <li>• Vibratory bowl feeder lining</li> </ul>
Green	<ul style="list-style-type: none"> <li>• Vibratory conveying</li> </ul>
Flexible urethane type 1 for high tensile, low stretch	<ul style="list-style-type: none"> <li>• Carrier roll covering</li> <li>• OEM applications</li> </ul>



730B

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731B (20° fiber tilt)

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## Polypropylene Fiber Products: 720B, 721B, 730B, 731B\*

Characteristics	Typical Applications
Polypropylene fiber in straight or 20° orientation unaffected by most chemicals	<ul style="list-style-type: none"> <li>• Vibratory bowl feeder lining</li> <li>• Vibratory conveying</li> </ul>
Most inexpensive Brushlon form	<ul style="list-style-type: none"> <li>• Wood panel dusting</li> <li>• Conveyor belt cleaning</li> </ul>
Black	<ul style="list-style-type: none"> <li>• Scrub brushes</li> <li>• OEM applications</li> </ul>
Flexible urethane type 1 for high tensile, low stretch	

\* See back cover for further details on these specialized application products.

## Type L for easy brush changes

All products except Hollow Nylon are offered in Type L which features a hook and loop attachment system. Loops on back of the brush mate with hooks on the back of 3M™ Type H Tape.

This pressure sensitive adhesive tape adheres to clean cylinder cores and flat surfaces with the hooks facing outward. Loops are pressed against the hooks for secure attachment of the brush. Brushes can be peeled off and replaced multiple times without removing the tape.



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# 3M™ Brushlon™ Product Availability

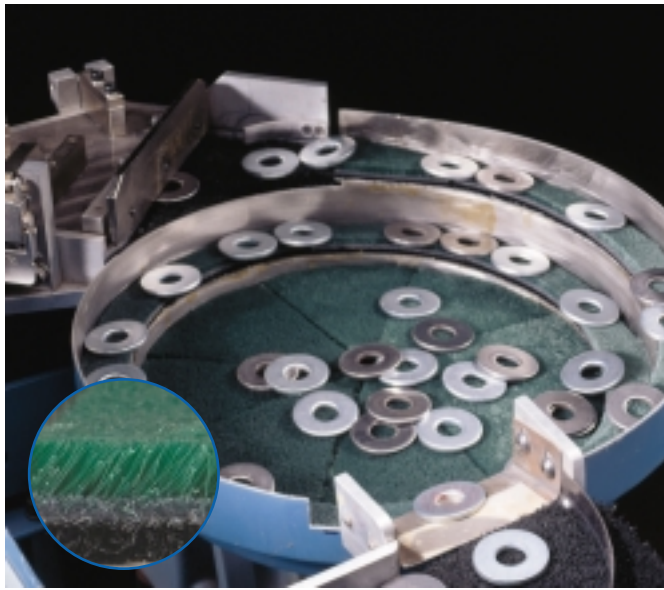
## Converted Forms Size Information

	Product	Description	Max. Width	Trim Lengths	Grades							Converted Forms	
					500	320	240	180	120	80	60		46
Abrasive Nylon	420B	Abrasive Nylon Silicon Carbide	20"	1/2"	X	X	X	X	X	X	X	X	Sheets, Rolls, Discs, Belts, Wheels, Cylinder Brushes, Long Trim Segments
			20"	7/8"	X	X	X	X	X	X	X	X	
			12"	1-1/2"	X	X	X	X	X	X	X		
	430B	Abrasive Nylon Silicon Carbide Type L	20"	1/2"	X	X	X	X	X	X	X	X	Sheets, Rolls, Discs, Cylinder Brushes
			20"	7/8"	X	X	X	X	X	X	X	X	
			12"	1-1/2"	X	X	X	X	X	X	X		
	220B	Abrasive Nylon Aluminum Oxide	20"	1/2"		X		X		X			Sheets, Rolls, Discs, Belts, Wheels, Cylinder Brushes, Long Trim Segments
			20"	7/8"		X		X		X			
			12"	1-1/2"		X		X		X			
	230B	Abrasive Nylon Aluminum Oxide Type L	20"	1/2"		X		X		X			Sheets, Rolls, Discs, Cylinder Brushes
20"			7/8"		X		X		X				
12"			1-1/2"		X		X		X				
429B	Abrasive Nylon Silicon Carbide <small>(22 mils fiber diameter)</small>	20"	1/2"					X				Discs, Belts, Wheels, Cylinder Brushes	
		20"	7/8"					X					
		12"	1-1/2"					X					
439B	Abrasive Nylon Silicon Carbide Type L <small>(22 mils fiber diameter)</small>	20"	1/2"					X				Sheets, Rolls, Discs	
		20"	7/8"	X				X					
		12"	1-1/2"	X				X					
Nylon					Fiber Diameter								
					.010	.012	.016	.020	.024	.003	.005		
	320B	Nylon Short Trim	16"	1/8"							X		Sheets, Rolls
			16"	3/16"								X	
	321B	Nylon Short Trim 20° Tilt	16"	1/8"							X		Sheets, Rolls
			16"	3/16"								X	
	331B	Nylon Short Trim 20° Tilt – Type L	16"	1/8"							X		Sheets, Rolls
			16"	3/16"								X	
	520B	Solid Nylon	20"	3/8"		X							Sheets, Rolls, Discs, Belts, Wheels, Cylinder Brushes, Long Trim Segments
				5/8"		X	X	X					
				7/8"		X	X		X				
			1-1/8"			X							
			12"	1-3/8"				X					
	530B	Solid Nylon Type L	20"	5/8"			X						Sheets, Rolls, Discs, Cylinder Brushes
				7/8"		X	X		X				
1-1/8"						X							
1-3/8"								X					
12"			1-7/8"				X	X					
620B	Hollow Nylon	18"	7/16"	X							Sheets, Rolls, Discs, Cylinder Brushes		
630B	Hollow Nylon Type L	18"	1"	X							Sheets, Rolls, Discs, Cylinder Brushes		
Polypropylene	720B	Polypropylene	18"	3/8"		X						Sheets, Rolls,	
				5/8"	X	X							
				7/8"	X	X	X						
			1-1/8"			X		X					
	14"	1-3/8"				X	X						
	721B	Polypropylene 20° Tilt	18"	3/8"			X						Sheets, Rolls,
				1/2"		X							
				5/8"	X								
				7/8"		X		X					
	730B	Polypropylene Type L	18"	1/2"		X							Sheets, Rolls, Discs, Cylinder Brushes
				7/8"		X	X	X					
				1-1/8"			X		X				
12"			1-1/2"		X								
12"			1-7/8"					X					
731B	Polypropylene 20° Tilt Type L	18"	3/8"			X	X					Sheets, Rolls, Some Discs and Cylinder Brushes	
			1/2"		X								
			7/8"		X		X						

- Sheets:** 30" maximum length
- Rolls:** Less than 1-1/2" trim length
- |              |                    |
|--------------|--------------------|
| <u>Width</u> | <u>Length max.</u> |
| 1/2"- 4"     | 1200"              |
| 5"- 7"       | 750"               |
| 8"- 11"      | 250"               |
| 12"- 20"     | 220"               |
- 1-1/2" trim length and greater
- |              |                    |
|--------------|--------------------|
| <u>Width</u> | <u>Length max.</u> |
| 1/2"- 4"     | 680"               |
| 5"- 7"       | 520"               |
| 8"- 12"      | 250"               |
- Discs:** 72" maximum diameter
- Belts:** 15-3/4" minimum length  
240" maximum length
- Wheels:** 1", 2", 3", 5", 8", 10"  
Inside Diameter  
1"- 16" widths
- Cylinder Brushes:** 220B, 420B, 429B  
Inside Diameter  
2", 2-5/8", 3", 3-5/8", 4", 5", 6-1/4", 8-3/16", 9"
- 230B, 430B, 439B  
Inside Diameter  
2", 2-5/8", 3", 3-5/8", 4", 5"
- RX Long Trim Segments:** 3"- 9" trim lengths in 1/2" increments. Segment widths 2"- 48" in 1/2" increments. Overall trim length includes 1" of root material

**Notes:**  
Technical information and data at left should be considered representative or typical only and should not be used for specification purposes.  
Type L features the 3M™ hook and loop attachment system.

## Vibratory conveying, carrier roll coverings, sound damping, and more



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### 20° Tilted Fiber Products

With 3M™ Brushlon™ 20° fiber products on the surface of vibratory conveyors or feeder bowls, you can move parts more quickly and hear less noise in the process.

- Parts move in the direction of the tilt faster and at a more consistent rate than with rubber or canvas coverings – it's a one-way trip with no parts reversing direction, even up inclines
- Fragile or polished parts move with less chance of breakage or scratches
- Fibers hold parts above the conveyor to help keep them clean
- Resin-filled backing helps damp the noise of moving parts and protect the conveyor trough from wear – that means a quieter work area and longer conveyor life, even with heavy parts

#### IMPORTANT NOTICE TO PURCHASER

**Product Use:** User is responsible for determining whether the product is fit for a particular purpose and suitable for user's application.

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## Fast and easy to wrap your own brushes and cylinders

You can make your own 3M™ Brushlon™ brushes and have all the same benefits as pre-made brushes plus a few more:

- Replacement materials are less expensive than buying a whole brush – especially since you'll already have the core
- Save the cost, time and bother of sending out brushes for retooling and waiting for their return

To make your own brush with Brushlon Hook and Loop material simply follow **three fast and easy steps:**

1. Clean your cylinder core.
2. Apply either 3M™ Dual Lock™ Reclosable Fastener SJ-3551 (PSA) or SJ-3443 (Non-PSA). SJ-3551 has a pressure sensitive backing that sticks to the core on contact. SJ-3443 requires an epoxy adhesive applied to the surface.
3. Wrap the core with Brushlon Type L brush material. The loop backing on Type L mates with the hooks and securely holds until you're ready to peel the brush away for replacement.



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#### For more information and assistance:

Contact your local 3M abrasive products distributor or 3M.

Contiguous 48 United States.....	1-800-742-9546
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