

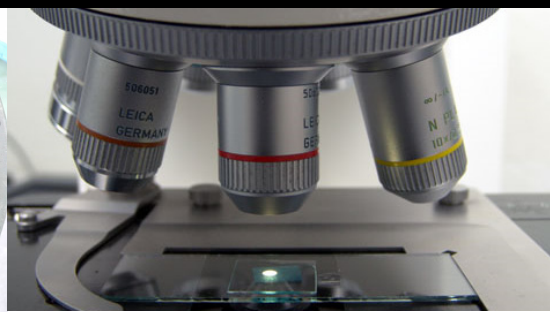
Nexylon
for Abrasives

NEXYLON®

EMS

Nexylon for Abrasives





Abrasive Fibers

Polyamide has the advantage of very high abrasion resistance when compared to other thermoplastic materials. Such performance makes it ideal for abrasive applications.

EMS-GRILTECH is a leading supplier of PA6 and PA66 fibers that are used in the manufacture of abrasive nonwovens for cleaning, polishing and deburring.

Product Range

Polymers:	PA 6, PA 66
Count:	17 – 220 dtex
Crimp:	low, medium, high
Staple:	40 – 100 mm
Color:	on demand
Luster:	bright, semi-dull

Advantages

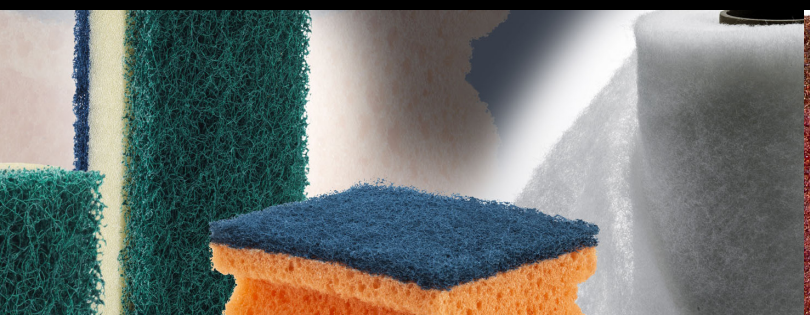
- High tenacity
- High uniformity and quality
- Very good carding
- Good web uniformity
- Mass dyed fibers
- Polymer modifications
- UV stabilization
- Chemical / thermal stabilization
- Uniformity of Crimp

Product Type Range

Type	Description	Count [dtex]	Color	Luster	Staple [mm]
N250	PA66, HT	17	raw white	bright	40 / 60 / 80
N251	PA66, MT	17 / 20	raw white	bright	40 / 60
N252	PA66, ST	17 / 22 / 44	raw white	bright / semi-dull	50 / 60 / 80
N257	PA66, SD	17 / 22	grey	bright	40 / 60
N258	PA66, SD	22	red	bright	60
N261	PA66, CC	70 / 80 / 110 / 140 / 220	raw white	bright / semi-dull	50 / 60 / 80 / 100
N263	PA66, CC	70	raw white	bright	50
N264	PA66, CC	70 / 110	raw white	bright	60 / 80
P353	PA6, ST	33 / 44 / 66	raw white	bright / semi-dull	50

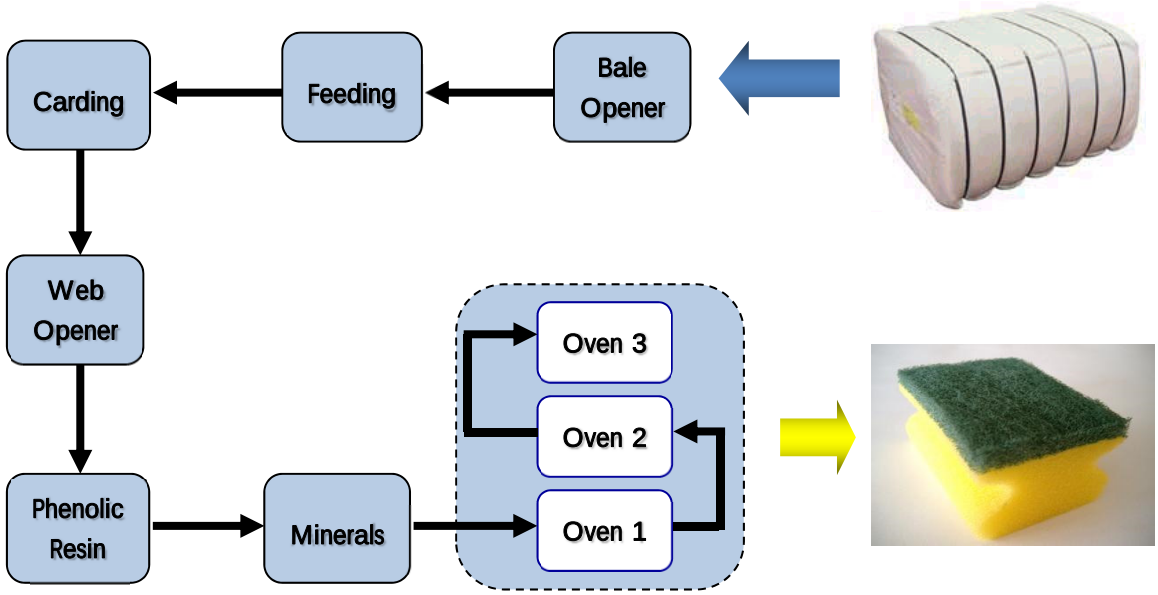
HT = High Tenacity MT = Medium Tenacity ST = Standard Tenacity SD = Spun dyed fiber CC = Coarse Count

Abrasives Production Route

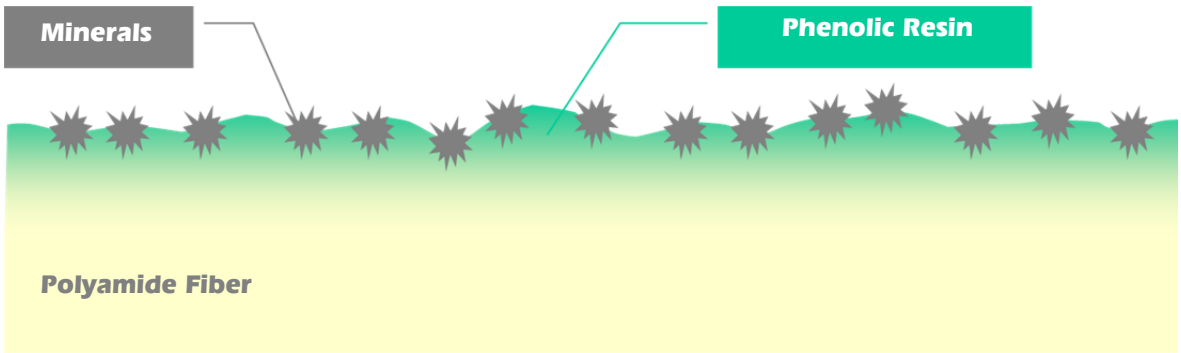




Abrasives Process Route



Phenolic Resin Route for PA Staple Fibers



Abrasive minerals are embedded in phenolic resin, which partially dissolves the polyamide fiber and causes strong adhesion.



EMS-GRILTECH worldwide

www.emsgriltech.com

EMS-GRILTECH is a Business Unit of EMS-CHEMIE AG, which belongs to EMS-CHEMIE HOLDING AG (www.ems-group.com).

We manufacture and sell Grilon yarns and fibers, Nexylon and Nexylene fibers, Griltex thermoplastic adhesives, Grilbond bonding agents, Primid crosslinkers for powder coatings and Grilonit reactive diluents. We have developed these materials and additives into outstanding specialty products for technically demanding applications. In this manner we create added value for our customers who enjoy success in their own markets through continuous improvement.

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Issued: July 2022