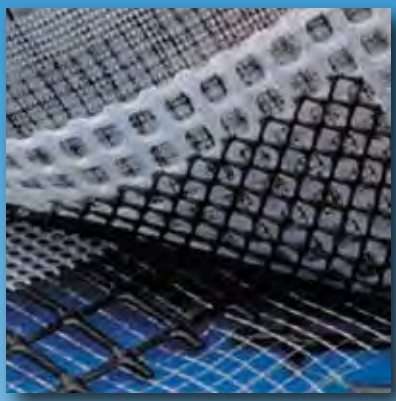
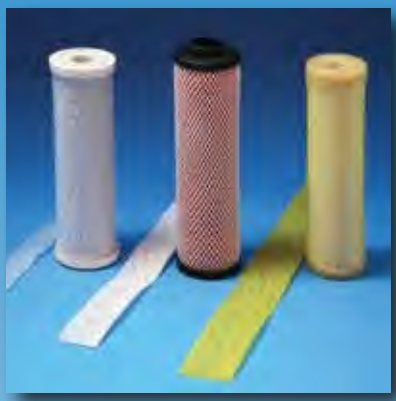
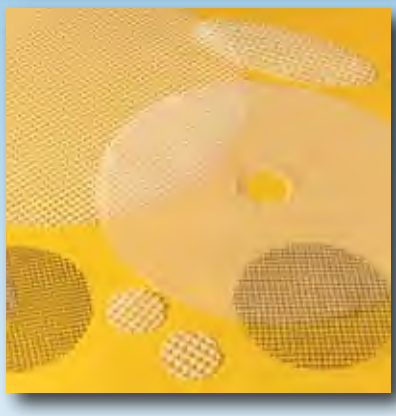
Plastic Netting for

Filtration



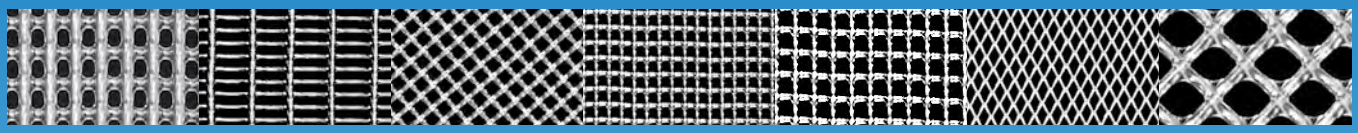

Same Day Stock Shipment, Custom Fabrication, Worldwide Service

INDUSTRIAL NETTING

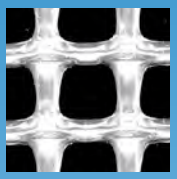
Products and Processes

Extruded Mesh

A virtually unlimited variety of plastic mesh materials from a single manufacturing process.....

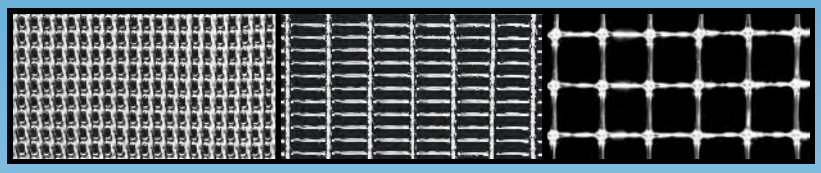


Extruded netting and mesh from **Industrial Netting** is produced from a unique manufacturing process that yields a wide range of products to meet an equally wide range of uses - an almost infinite array of product possibilities for filtration applications.



Industrial Netting extruded plastic mesh products are not perforated or molded. Extruded plastic netting is produced in open mesh form and is distinguished by an integral joint structure.

Extruded netting can be produced in a wide range of thicknesses and aperture sizes. The material's thickness, weight, mesh size, and strand shape can be altered to meet various design criteria. In addition, extruded netting can be oriented, or stretched, to produce an even wider array of design choices.



Extruded Stretched one-way Stretched both ways

Extruded plastic netting holds several key advantages over competitive materials:

■ **Rigidity** ■ **Strength** ■ **Dimensional Stability** ■ **Design Flexibility** ■ **Cost**

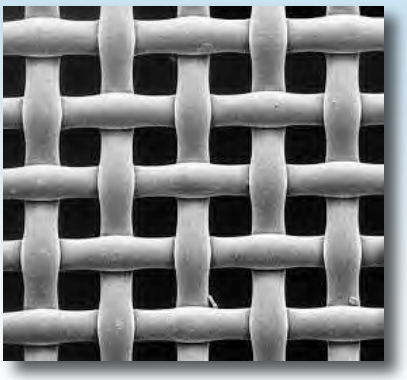
The extrusion process produces plastic mesh in either flat roll form or in a rigid tubular form, making extruded plastic netting ideal for a wide variety of diverse applications. Roll widths and lengths vary both by product and process, but may be altered easily in manufacturing or in converting operations. Rigid tubes are produced in standard lengths, but custom lengths are again easily produced in manufacturing or converting operations.

Woven Mesh

Woven mesh offers filter designers additional material alternatives for component design. Industrial textiles are constructed from a variety of monofilament synthetic fibers. This precision weaving process creates fine mesh industrial textiles with smaller apertures (hole sizes) than extruded meshes.

Visit industrialnetting.com/woven.html to choose from nylon, polyester, and polypropylene in a wide range of openings and strand counts.

Scan this QR code with your Smart phone for options.



Magnified woven mesh.

Applications

Industrial Netting offers a broad variety of plastic netting, mesh and rigid mesh tubes used in cartridges and as components for air, water and gas separation and filtration. These products are used across a wide range of filtration industries including automotive, HVAC, water purification, hydraulic filtration, fuel filtration, beverage filtration, medical filtration, and food processing.

Extruded plastic netting is widely used to perform the following functions in filtration:

Cores & Cages

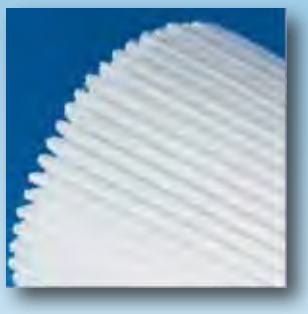
- Rigid Mesh tubes for filter cartridge structural support
- Wide range of diameter, wall thickness and open area configuration
- Minimal engineering costs for custom designs

Containment & Protection

- Protect outer surface during handling or cleaning
- Contain medium in high pressure, inside-out flow
- Pre-Filtration to keep large particles off media

Pleat & Media Support

- Maintain desired pleat separation
- Backers for sewn filter applications
- Added strength for heavy industrial applications



Flow Channel Spacer

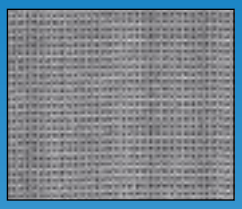
- Separate layers of media
- Create flow channel for gas or liquid
- Wide range of thickness for easy customization

Extruded Square Mesh

Polypropylene (PP)

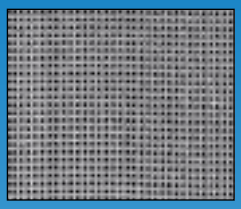
Melt Temperature: 363°F, 161°C
Vicat Softening point: 305°F, 152°C
Heat Deflection Temperature: 194°F, 90°C
Glass Transition Temperature: 32°F, 0°C

All products manufactured from natural polypropylene comply with FDA regulations for food contact and USP Class VI for pharmaceuticals unless otherwise noted.



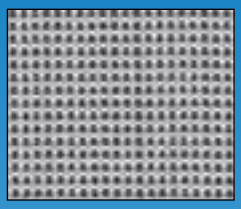
XN 6080

Hole Size: .021" x .027"
Thickness: .014"
Strands (per inch): 27.5 x 25
Nominal Open Area: 35%
Max. Roll Width: 37.5"
Max. Roll Length: 1700'
Resin: PP
Color: Natural



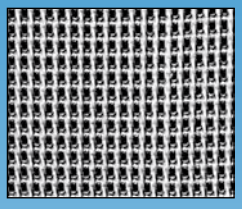
XN 6070

Hole Size: .025" x .030"
Thickness: .014"
Strands (per inch): 28 x 25
Nominal Open Area: 35%
Max. Roll Width: 43.5"
Max. Roll Length: 1000'
Resin: PP
Color: Natural



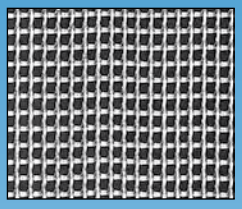
XN 5170

Hole Size: .040" x. 053"
Thickness: .019"
Strands (per inch): 17 x 14
Nominal Open Area: 50%
Max. Roll Width: 43.5"
Max. Roll Length: 1000'
Resin: PP
Color: Natural



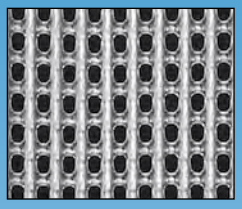
XN 3019

Hole Size: .035" x .050"
Thickness: .036"
Strands (per inch): 16 x 13
Nominal Open Area: 20%
Max. Roll Width: 47.5"
Max. Roll Length: 1000'
Resin: PP
Color: Natural



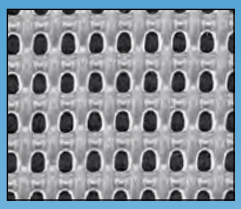
XN 3234

Hole Size: .054" x .080"
Thickness: .019"
Strands (per inch): 15 x 11
Nominal Open Area: 65%
Max. Roll Width: 54.5"
Max. Roll Length: 3000'
Resin: PP
Color: Natural



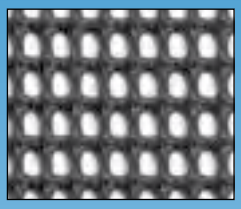
XN 1588

Hole Size: .085" x .115"
Thickness: .050"
Strands (per inch): 7 x 6
Nominal Open Area: 37%
Max. Roll Width: 43.5"
Max. Roll Length: 900'
Resin: PP
Color: Natural



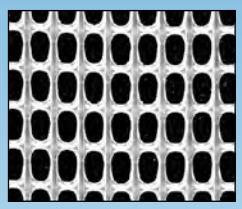
XN 1335

Hole Size: .085" x .115"
Thickness: .069"
Strands (per inch): 6.4 x 5
Nominal Open Area: 35%
Max. Roll Width: 42"
Max. Roll Length: 300'
Resin: PP
Color: Natural



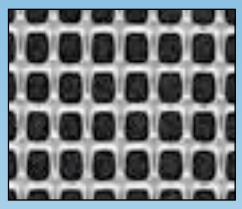
XV 1347

Hole Size: .120" x .120"
Thickness: .070"
Strands (per inch): 7 x 5
Nominal Open Area: 50%
Max. Roll Width: 47.5"
Max. Roll Length: 800'
Resin: PE
Color: Black



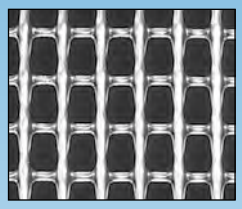
XN 1678

Hole Size: .120" x .175"
Thickness: .035"
Strands (per inch): 7 x 5
Nominal Open Area: 60%
Max. Roll Width: 43.5"
Max. Roll Length: 1200'
Resin: PP
Color: Natural



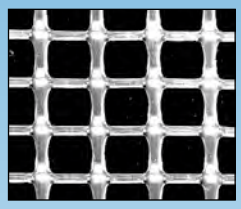
XN 1673

Hole Size: .139" x .175"
Thickness: .034"
Strands (per inch): 6 x 5
Nominal Open Area: 68%
Max. Roll Width: 44"
Max. Roll Length: 1250'
Resin: PP
Color: Natural



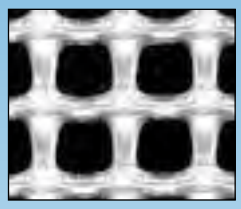
XN 2950

Hole Size: .150" x .220"
Thickness: .047"
Strands (per inch): 5 x 4
Nominal Open Area: 55%
Max. Roll Width: 37.5"
Max. Roll Length: 500'
Resin: PP
Color: Natural



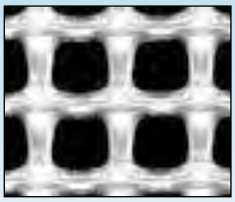
XN 0260

Hole Size: .203" x .187"
Thickness: .059"
Strands (per inch): 4 x 4
Nominal Open Area: 60%
Max. Roll Width: 41.5"
Max. Roll Length: 400'
Resin: PP
Color: Natural



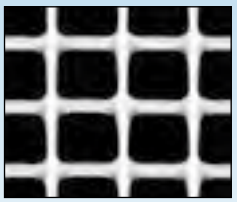
XN 5010

Hole Size: .275" x .297"
Thickness: .121"
Strands (per inch): 2.5 x 2.5
Nominal Open Area: 45%
Max. Roll Width: 48"
Max. Roll Length: 300'
Resin: PP
Color: Natural



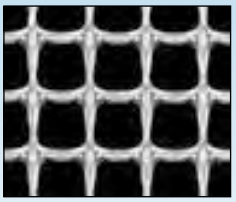
XN 5018

Hole Size: .275" x .297"
Thickness: .121"
Strands (per inch): 2.5 x 2.5
Nominal Open Area: 45%
Max. Roll Width: 60"
Max. Roll Length: 300'
Resin: PP
Color: Natural



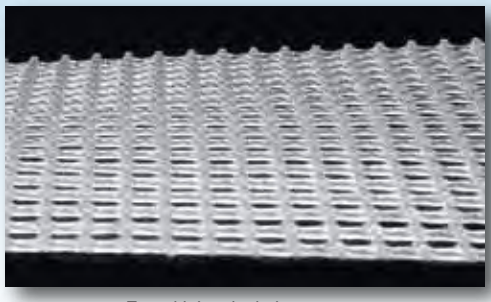
XN 2170

Hole Size: .315" x .260"
Thickness: .085"
Strands (per inch): 3 x 3
Nominal Open Area: 65%
Max. Roll Width: 37.25"
Max. Roll Length: 400'
Resin: HDPE
Color: Natural



XN 2335

Hole Size: .282" x. 274"
Thickness: .090"
Strands (per inch): 3 x 3
Nominal Open Area: 65%
Max. Roll Width: 48"
Max. Roll Length: 400'
Resin: PP
Color: Natural

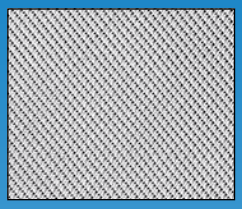


Fused joints lock the aperture.

Extruded Diamond Mesh

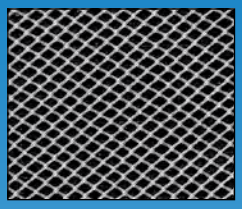
Extruded bi-planar diamond mesh creates flow channels and facilitates the flow of air or fluids. The “welded” joint structure features excellent dimensional stability to facilitate sheeting or die-cutting to exact dimensions.

Diamond Mesh is manufactured from natural polypropylene to comply with FDA regulations for food contact and USP Class VI pharmaceuticals unless otherwise noted.



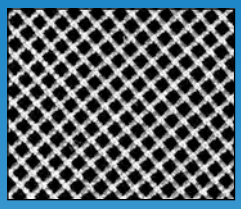
XN 4900

Hole Size: .015” x .015”
Thickness: .030”
Strands (per inch): 30 x 30
Nominal Open Area: 24%
Max. Roll Width: 40”
Max. Roll Length: 500’



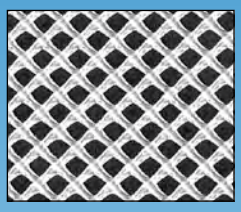
XN 4800

Hole Size: .050” x .050”
Thickness: .021”
Strands (per inch): 16 x 16
Nominal Open Area: 60%
Max. Roll Width: 40”
Max. Roll Length: 500’



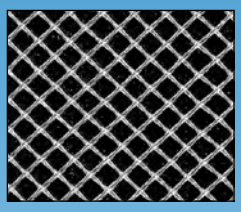
XN 4411

Hole Size: .065” x .065”
Thickness: .040”
Strands (per inch): 12 x 12
Nominal Open Area: 58%
Max. Roll Width: 37.5”
Max. Roll Length: 1000’



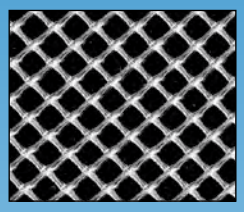
XN 4510

Hole Size: .094” x .094”
Thickness: .080”
Strands (per inch): 8 x 8
Nominal Open Area: 45%
Max. Roll Width: 24”
Max. Roll Length: 250’



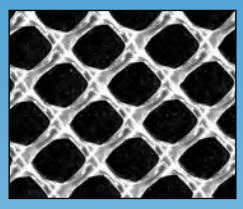
XN 4820

Hole Size: .100” x .100”
Thickness: .031”
Strands (per inch): 9 x 9
Nominal Open Area: 75%
Max. Roll Width: 41”
Max. Roll Length: 500’



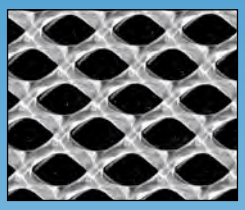
XN 4600

Hole Size: .120” x .120”
Thickness: .020”
Strands (per inch): 7 x 7
Nominal Open Area: 68%
Max. Roll Width: 41”
Max. Roll Length: 250’



XN 4700

Hole Size: .25” x .25”
Thickness: .100”
Strands (per inch): 4 x 4
Max. Roll Width: 37.5”
Max. Roll Length: 300’



XN 4720

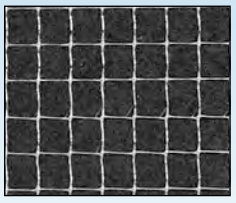
Hole Size: .25” x .25”
Thickness: .115”
Strands (per inch): 3.8 x 3.8
Max. Roll Width: 49”
Max. Roll Length: 300’

Oriented Netting

Lightweight, open aperture products are perfect for media reinforcement and outer protection. Tentered-only (strands stretched in just one direction) create unique flow channels.

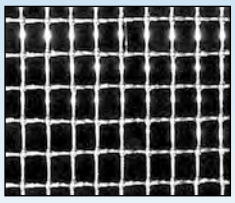
Or choose from a wide array of other oriented netting products - along with unique process capabilities that can produce a netting configuration to meet your specific design requirements.

Oriented netting is extruded from polypropylene resin.



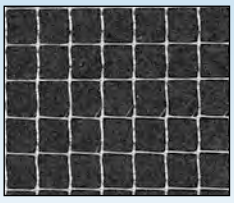
ON 9565

Master Roll Width: 96”
Strands (per inch): 6 x 6
Weight (lbs/1000 ft2): 3.25



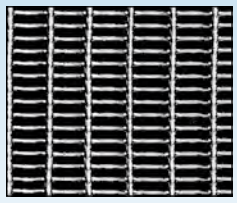
ON 6200

Master Roll Width: 84”
Strands (per inch): 6 x 8
Weight (lbs/1000 ft2): 7



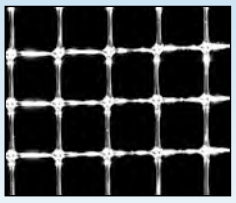
ON 6275

Master Roll Width: 73”
Strands (per inch): 6 x 6
Weight (lbs/1000 ft2): 1.5



ON 3350

Master Roll Width: 84”
Strands (per inch): 4 x 13
Weight (lbs/1000 ft2): 22



ON 3018

Master Roll Width: 86”
Strands (per inch): 4 x 4
Weight (lbs/1000 ft2): 7

Products shown actual size

NYLON & PBT Extruded Mesh

These small aperture light weight extruded meshes feature many of the same advantages as their polypropylene counterparts. Nylon meshes feature high temperature resistance, excellent strength and low elongation. PBT resin provides excellent resistance to a variety of chemicals including aliphatic hydrocarbons, gasoline, oils and greases, dilute acids and bases, detergents and most aqueous salt solutions.

Nylon 6

Melt Temperature: 428°F, 220°C
Heat Deflection Temp: 347°F, 175°C
Glass Transition Temp: 175°F, 50°C

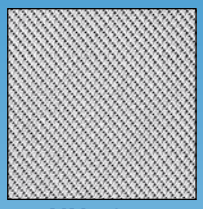
Virgin Nylon complies with FDA regulations for food contact.

Polybutylene Terephthalate (PBT)

Melt Temperature: 437°F, 225°C
Heat Deflection Temp: 310°F, 154°C
Glass Transition Temp: -40°F, -40°C

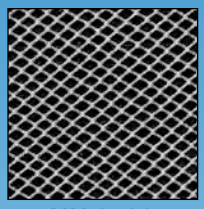
Non-FDA Approved, unless otherwise specified.

Nylon UV



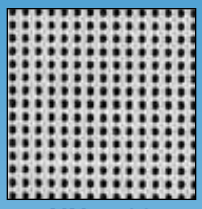
NN 4975
Diamond 45x45
0.017" joint

Nylon



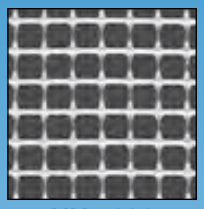
NN 3100
Diamond 15x15
0.020" joint

Nylon



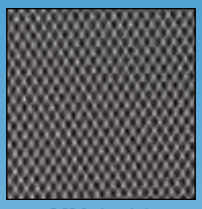
NN 1500
Square 25x25
0.015" joint

Nylon



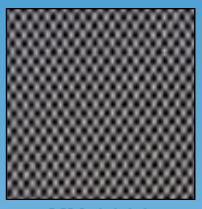
NN 1000
Square 10x11
0.020" joint

PBT



XN 8500
Diamond 13x13
0.020" joint

PBT

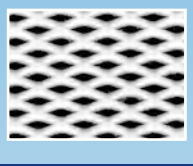
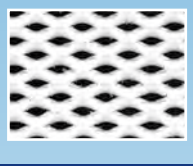
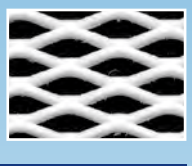


XN 8600
Diamond 13x13
0.024" joint

PTFE Expanded Mesh

PTFE (polytetrafluoroethylene) mesh provides a wide range of adaptability to the most extreme filtration and industrial applications. PTFE mesh is suitable for high temperature applications and provides a high degree of chemical resistance as well. Other characteristics of the material include non-toxicity, high anti-adhesiveness, high dielectric properties and low friction. The materials are certified to meet FDA regulations for food contact.



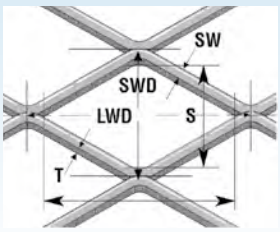





Part Number	LWD (inches)	SWD (inches)	Aperture (inches)	Thickness (inches)	Roll Width (inches)
ET 8120	0.049	0.033	.025 x .005	0.008	12.0
ET 8300	0.075	0.048	.045 x .025	0.018	17.5
ET 8500	0.125	0.070	.080 x .025	0.028	18.0
ET 8700	0.235	0.115	.150 x .050	0.045	17.5
ET 8750	0.232	0.135	.150 x .055	0.050	17.8
ET 8900	0.500	0.240	.320 x .140	0.070	18.0
ET 9000	0.762	0.10	.890 x .428	0.140	18.0

Note: All dimensions nominal

Technical Information:

Resin: Polytetrafluoroethylene (ptfe)
Color: White
Specific Gravity: 2.14
Max. Continuous Service Temp: 500F, 260 C
Melt Temperature 608°- 644°F, 320°- 340°C
Heat Deflection Temperature: 250F,@ 264 psi
Certifications: Food and Drug Administration, Code of Federal Regulations, CFR 21, sections 177.1550, 177.2600, 175.300, 175.105, 176.170, and 176.180



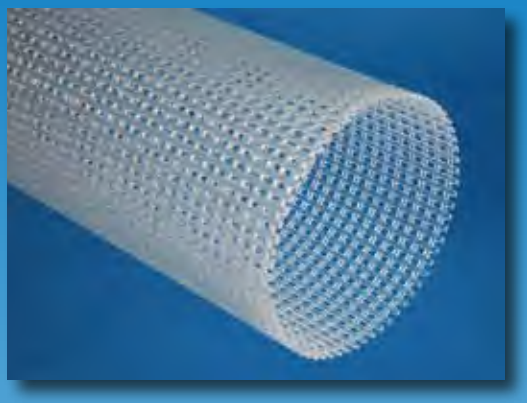
LWD = long way dimension
SWD = short way dimension
T = thickness
SW = strand width
L = long axis aperture dimension
S = short axis aperture dimension

Extruded Tubes

Polypropylene (PP)

Melt Temperature: 363°F, 161°C
Softening point: 305°F, 152°C
Heat Deflection Temperature: 194°F, 90°C
Glass Transition Temperature: 14°F, -10°C

All natural PP products are manufactured to comply with FDA regulations for food contact and USP Class VI for pharmaceuticals.



Rigid plastic tubes are extruded to produce fixed apertures with maximum dimensional stability. Industrial Netting features a selection of tubing sizes that is unmatched in the industry.

Extruded mesh tubes are used as center core supports and outer cages in cartridge filters. Designers enjoy maximum flexibility with rigid mesh tubes. Nearly 100 configurations of diameter, wall thickness and open area are available from stock. Unlike molded tubes, minimal tooling costs are required for custom designs.

Visit industrialnetting.com/filtration_tubes.html to choose from nearly 100 unique designs:

- Diameters ranging from 0.312" ID to 4.74" OD.
- Wall thickness from 0.045" to 0.158"
- Scan this QR code for selections.

Common lengths in stock for immediate shipment or precision cuts to your required sizes.

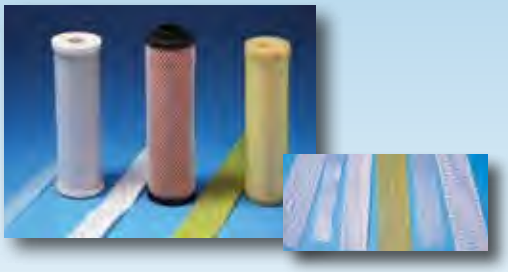
Fabricated Tubes & Overwraps

Tubes can be formed from any of our square mesh flat nets. In a proprietary process, netting is ultrasonically welded or heat sealed to form a broad range of tube possibilities - from fine meshes to heavier, rigid and more open forms. The range of diameters is virtually unlimited using this custom forming process.

This same process is used to create custom composites made from rigid mesh tubes for structural support and overwrapped with fabric or mesh. Fine mesh netting or nonwoven fabrics can be overwrapped and welded to rigid mesh tubes to combine the structural support of extruded tubes with the expanded functional range of these fine mesh nettings and fabrics.

Filtration Cartridge Sleeves

Flexible, extruded tubular sleeves protect and contain filter media in cartridge applications. Select from a variety of mesh sizes, shapes, diameters and lengths to meet your specifications.



Part Number	Layflat	Diameter Range (inches)	(inches)	Roll Length (feet)	Strands (per inch)	Polymer	Color
NG 5015	1.48"	1.25"	2.25"	340' & 1500'	3	LDPE	Natural
NG 5025	1.68"	1.75"	2.25"	340' & 1500'	3	PP	Natural
NG 5045	2.26"	2.00"	2.50"	340' & 1500'	2.5	PP	Natural
NG 5050	2.28"	1.75"	2.75"	340' & 1500'	1.5	LDPE	White
NG 5055	2.28"	1.75"	2.75"	340' & 1500'	1.5	LDPE	Yellow

About Industrial Netting

Industrial Netting is a converter and marketer of netting, mesh and tubes to the filtration industry and other industrial markets since 1981. Industrial Netting provides custom fabricated square mesh netting, rigid mesh tubes, diamond mesh spacers, extruded mesh sleeves, woven polyester mesh, and expanded PTFE mesh for a variety of filtration applications. Industrial Netting has built a reputation for quality, both in product and service, in the many markets we serve.

An ISO 9001 certified company, **Industrial Netting's** goal is to maintain and grow its business by reliably meeting customer needs, and to increase our value to both our customers and suppliers alike.

Custom Converting Services

Do it your way! Choose from the world's largest inventory of rigid mesh tubes and plastic netting. We sheet or die cut extruded netting to your specific size requirements. Roll goods can be slit to precise widths or custom wound and folded for easier shipping. J-I-T order fulfillment with custom packaging for ease of shipment and handling are provided to minimize customer inventory.

Choose from nearly one hundred different tube configurations and have us cut to your specific length requirements. Or have us fabricate and weld flat net to a custom diameter.

C-Folding

Welded Overwraps

Roll Cutting

Sonic Welding

Precision Slitting

Sheeting

Precision Tube Lengths

Die Cutting

Same Day Stock Shipment, Custom Fabrication, Worldwide Service

INDUSTRIAL NETTING

Custom convert and ship within 24 hours

7681 Setzler Parkway North
Minneapolis, MN 55445-9938
Toll Free: 1-800-328-8456 Phone: 763-496-6355 Fax: 763-496-6356
e-mail: info@industrialnetting.net www.industrialnetting.com

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