INDUSTRIAL NETTING

BUY AMERICAN

Master Catalog

Same Day Stock Shipment, Custom Fabrication, Worldwide Service

Aquaculture • Cannabis • Crushed Car • Dehydration • Filtration • Industrial • Medical • Pest Control • Warehouse
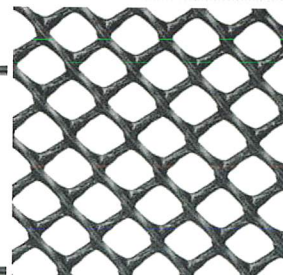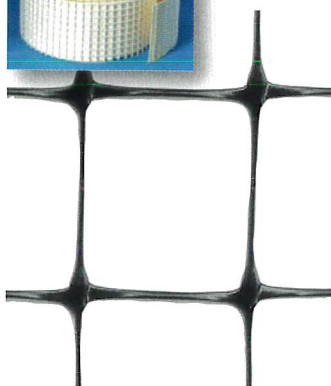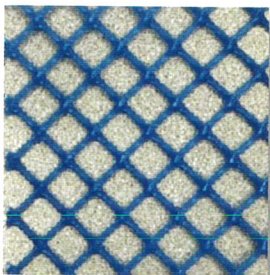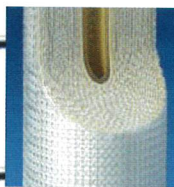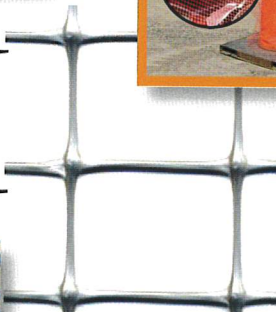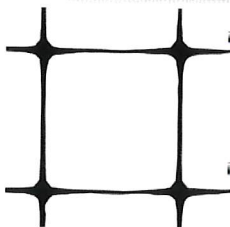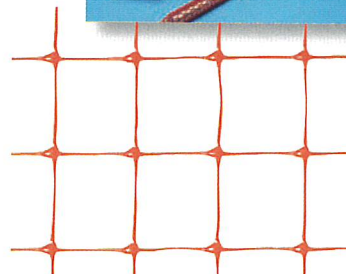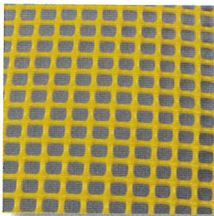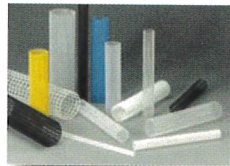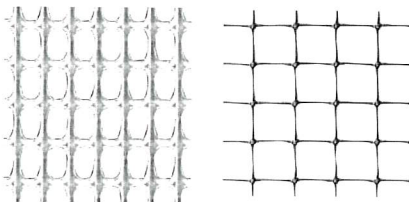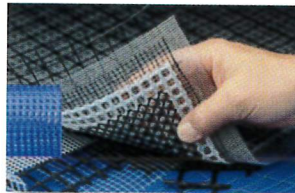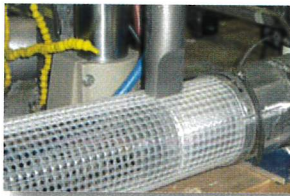
10300 Fountains Drive
Minneapolis, MN 55369-4477

Toll Free: 800-328-8456
Phone: 763-496-6355
Fax: 763-496-6356

www.industrialnetting.com

Industrial Netting is a world class converter, fabricator and marketer of plastic netting, mesh and tubes for industry. Markets we serve include; agriculture, aquaculture, filtration, lawn and garden, medical, nursery, pest control, industrial, construction, recycling - among others. Founded in 1981, Industrial Netting has built a reputation as the industry leader in plastic netting with same day stock shipment and immediate service. Small orders, large volumes, custom sizes, special needs, specific packaging are "standard" operations at Industrial Netting. Plus, we boast one of the most extensive line-ups of in-stock netting and tubing products in the industry.

Converting and fabrication of our many products is a feature Industrial Netting provides for many of our customers. It's still another example of how we're able to satisfy unique application requirements and meet the various needs of our customers - while adding value through improved efficiencies and enhanced product performance.

We are also here to provide technical assistance as well as experienced, practical - and friendly - application advice, wherever possible.

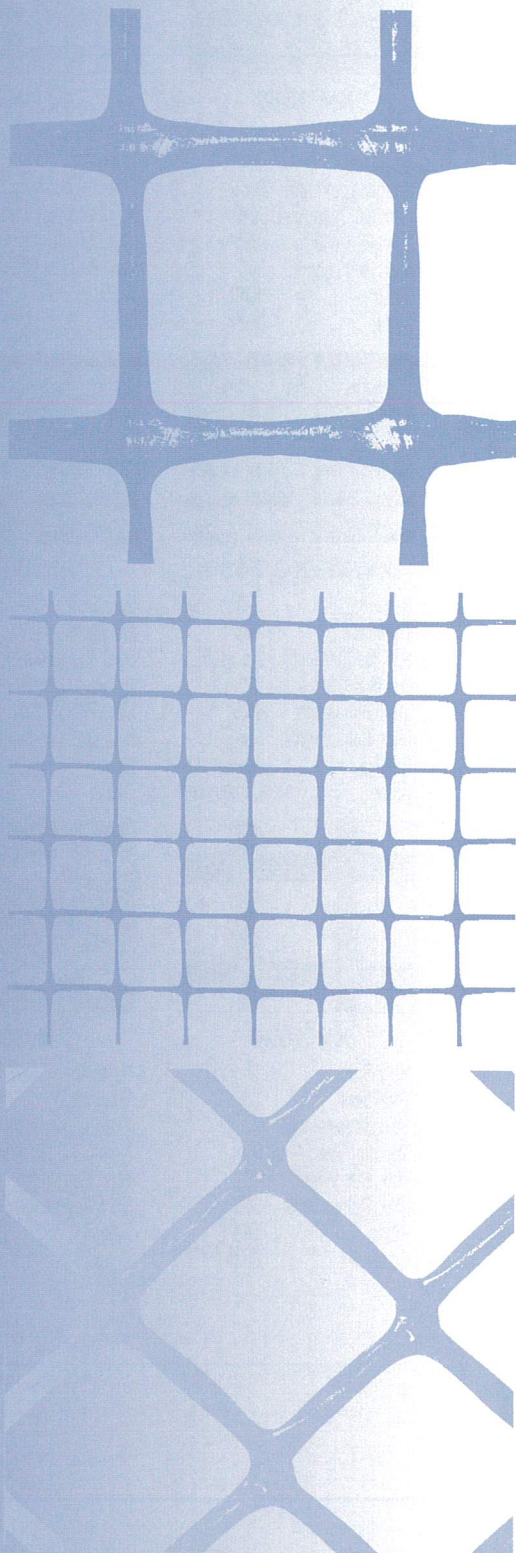Industrial Netting is proud to be ISO 9001 Certified

Brand Promise
Custom convert and ship within 24 hours by:
Providing our customers with a reliable and easy place to do business.
Offering the world's largest selection of in stock netting, mesh & tubes.
Responding to all customer inquiries in 2 hours or less.

Master Catalog

EXTRUDED NETTING

Applications include
Parts Protection
Materials Separation
Warehouse Safety Net
Fencing
Filtration Components
Aquaculture - cages, traps, etc.
Lawn and Garden Netting

ORIENTED NETTING

Applications include
Pest and Bird Control
Scrap Metal Containment
Insulation Containment
Fencing
Lawn and Garden Utility
Nursery - tree wrap, mulch containment
Aquaculture - Clams & Oyster protection
Warehouse Safety Net

TUBULAR SLEEVES

Applications include
Filter Cartridge Containment
Filter Support
Individual Parts Protection
  Spring Silencers
  Cylinders
  Pistons
  Precision Components

PRECISION METAL MESH

Products include
Electroformed Screens - Gold, Nickel, Copper
Sieves & Pinholes

SPECIALTY NETTING & MESH

PTFE Expanded Mesh
Woven Mesh

TUBES

Applications include
Filtration Tubes
Center Filter Core Support
Aquaculture Stand Pipes
Cartridge Containment

CUSTOM SERVICES

Complete converting and fabrication services
Slitting
Rewinding
Sheeting
Die Cutting
Tube Cutting
Sonic Welding - Formed Tubes

EXTRUDED

ORIENTED

TUBULAR SLEEVES

SPECIALTY

TUBES

CUSTOM SERVICES

EXTRUDED SQUARE NETTING - Polyethylene

Extruded Netting Characteristics

Extruded plastic netting is manufactured in a unique process to produce an integral joint structure for maximum dimensional stability and durability. The netting is not molded, perforated or woven. A broad range of aperture sizes, thicknesses and weights are offered to meet an equally wide range of uses in a host of industries.

High Density Polyethylene (HDPE)

|	
Melt Temperature:	266°F, 130°C
Vicat Softening Point:	262°F, 120°C
Heat Deflection Temperature:	185°F, 85°C
Glass Transition Temperature:	-104°F, -76°C

Medium Density Polyethylene (MDPE)

Melt Temperature:	260°F, 126°C
Softening Point:	248°F, 128°C
Heat Deflection Temperature:	178°F, 81°C
Low Temperature Brittleness, F50:	-104°F, -76°C

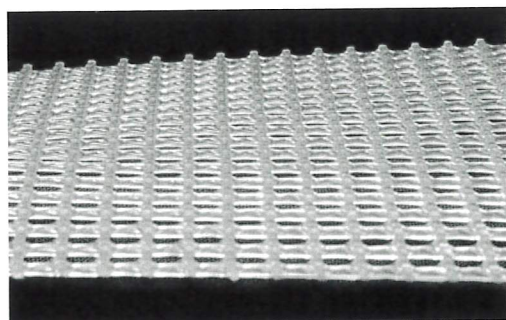* Non-FDA Approved, unless otherwise specified as FDA approved material.

Low Density Polyethylene (LDPE)

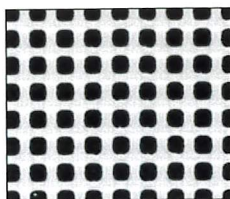|	
Melt Temperature:	248°F, 120°C
Softening Point:	203°F, 95°C
Heat Deflection Temperature (66 psi):	113°F, 45°C
Low Temperature Brittleness, F50:	-99°F, -73°C

* All natural LDPE products are manufactured to comply with FDA regulations for food contact.
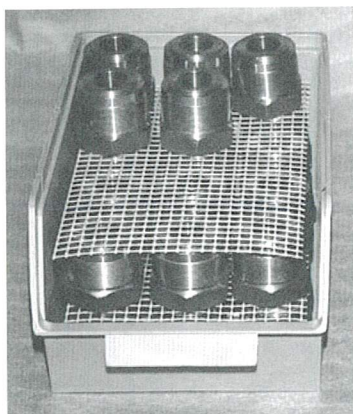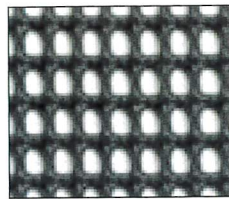

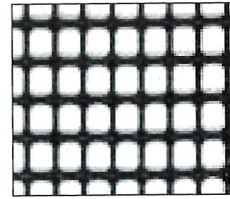Tote liner.

Fused joints lock the aperture.

XN 2410

Hole Size:	.100" x .100"
Thickness:	.050"
Strands (per inch):	7 x 7
Nominal Open Area:	50%
Max. Roll Width:	39.5"
Max. Roll Length:	500'
Resin:	HDPE
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:	HDPE
Color:	Black

XV 1672

Hole Size:	.125" x .150"
Thickness:	.038"
Strands (per inch):	6.5 x 5
Nominal Open Area:	58%
Max. Roll Width:	48"
Max. Roll Length:	500'
Resin:	MDPE
Color:	Black
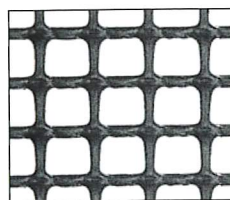
XV 1170

Hole Size:	.270" x .270"
Thickness:	.080"
Strands (per inch):	3 x 3
Nominal Open Area:	58%
Max. Roll Width:	48"
Max. Roll Length:	500'
Resin:	MDPE
Color:	Black
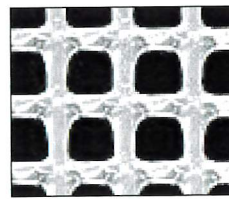
XY/XE/XG 5030

Hole Size:	.275" x .275"
Thickness:	.095"
Strands (per inch):	2.5 x 2.5
Nominal Open Area:	45%
Max. Roll Width:	48.5"
Max. Roll Length:	300'
Resin:	HDPE
Color:	Yellow, Blue, Green
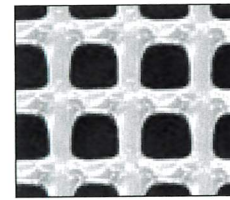
XN 5050

Hole Size:	.275" x. 275"
Thickness:	.095"
Strands (per inch):	2.5 x 2.5
Nominal Open Area:	45%
Max. Roll Width:	48"
Max. Roll Length:	300'
Resin:	LDPE
Color:	Natural
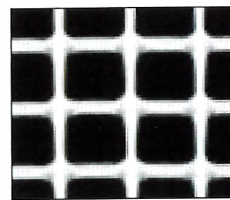
XN 2170

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
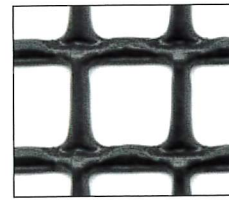
XV 1020

Hole Size:	.5" x .5"
Thickness:	.090"
Strands (per inch):	2 x 2
Nominal Open Area:	66%
Max. Roll Width:	48"
Max. Roll Length:	500'
Resin:	MDPE
Color:	Black
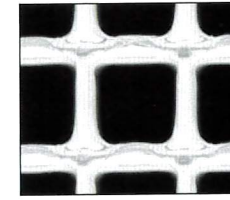
XN 1020

Hole Size:	.5" x .5"
Thickness:	.090"
Strands (per inch):	2 x 2
Nominal Open Area:	66%
Max. Roll Width:	48"
Max. Roll Length:	500'
Resin:	MDPE
Color:	Natural
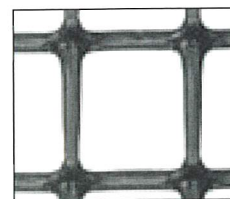
XV 0350

Hole Size:	.75" x .75"
Thickness:	.13"
Strands (per inch):	1 x 1
Nominal Open Area:	60%
Max. Roll Width:	48"
Max. Roll Length:	500'
Resin:	MDPE
Color:	Black

Nominal Specifications

EXTRUDED SQUARE NETTING - Polypropylene

Polypropylene (PP)

Melt Temperature:	322°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 natural PP products are manufactured to comply with FDA regulations for food contact and USP Class VI for pharmaceuticals.

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:	400'
Resin:	PP
Color:	Natural
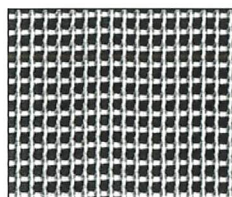
XN 3234
Hole Size:	.054" x .080"
Thickness:	.019"
Strands (per inch):	15 x 11
Nominal Open Area:	65%
Max. Roll Width:	54.5"
Max. Roll Length:	3000'
Resin:	PP
Color:	Natural
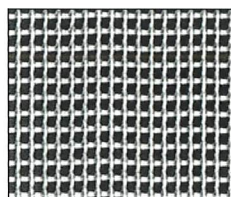
XN 2550
Hole Size:	.054" x .080"
Thickness:	.019"
Strands (per inch):	14.5 x 11
Nominal Open Area:	65%
Max. Roll Width:	41.5"
Max. Roll Length:	3000'
Resin:	PP
Color:	Natural
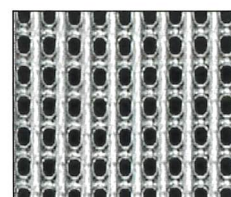
XN 1588
Hole Size:	.085" x .115"
Thickness:	.050"
Strands (per inch):	7 x 6
Nominal Open Area:	37%
Max. Roll Width:	43.5"
Max. Roll Length:	900'
Resin:	PP
Color:	Natural
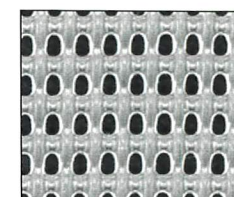
XN 1335
Hole Size:	.085" x .115"
Thickness:	.069"
Strands (per inch):	6.4 x 5
Nominal Open Area:	35%
Max. Roll Width:	42"
Max. Roll Length:	500'
Resin:	PP
Color:	Natural
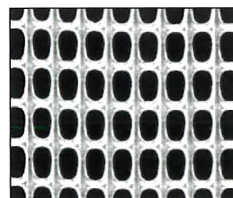
XN 1678
Hole Size:	.120" x .175"
Thickness:	.035"
Strands (per inch):	7 x 5
Nominal Open Area:	60%
Max. Roll Width:	43.5"
Max. Roll Length:	1200'
Resin:	PP
Color:	Natural
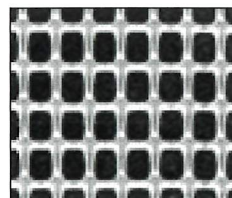
XN 1673
Hole Size:	.145" x .175"
Thickness:	.034"
Strands (per inch):	6 x 5
Nominal Open Area:	68%
Max. Roll Width:	44"
Max. Roll Length:	1250'
Resin:	PP
Color:	Natural
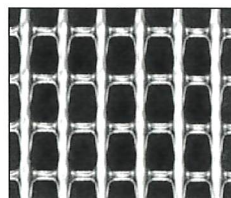
XN 2950
Hole Size:	.150" x .220"
Thickness:	.047"
Strands (per inch):	5 x 4
Nominal Open Area:	55%
Max. Roll Width:	37.5"
Max. Roll Length:	500'
Resin:	PP
Color:	Natural
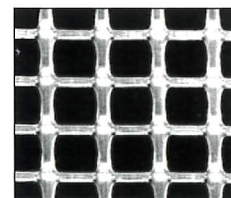
XN 0260
Hole Size:	.203" x .187"
Thickness:	.059"
Strands (per inch):	4 x 4
Nominal Open Area:	60%
Max. Roll Width:	41.5"
Max. Roll Length:	400'
Resin:	PP
Color:	Natural
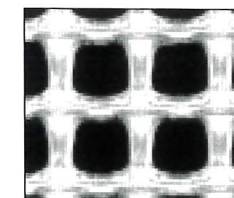
XN 5010
Hole Size:	.3" x .280"
Thickness:	.118"
Strands (per inch):	2.5 x 2.5
Nominal Open Area:	50%
Max. Roll Width:	48"
Max. Roll Length:	300'
Resin:	PP
Color:	Natural
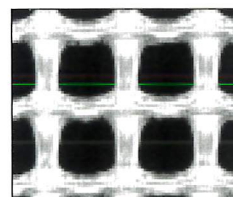
XN 5018
Hole Size:	.3" x .280"
Thickness:	.118"
Strands (per inch):	2.5 x 2.5
Nominal Open Area:	50%
Max. Roll Width:	60"
Max. Roll Length:	300'
Resin:	PP
Color:	Natural
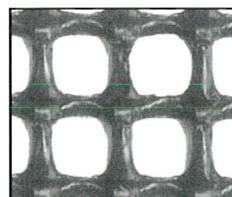
XE 5015
Hole Size:	.275" x .297"
Thickness:	.121"
Strands (per inch):	2.5 x 2.5
Nominal Open Area:	45%
Max. Roll Width:	48"
Max. Roll Length:	300'
Resin:	PP/PE
Color:	Blue
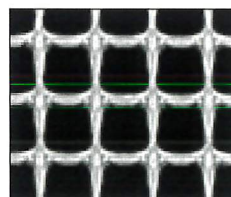
XN 2335
Hole Size:	.282" x .274"
Thickness:	.090"
Strands (per inch):	3 x 3
Nominal Open Area:	65%
Max. Roll Width:	48"
Max. Roll Length:	400'
Resin:	PP
Color:	Natural
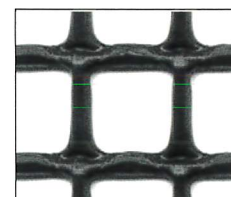
XE 1030
Hole Size:	.50" x .50"
Thickness:	.090"
Strands (per inch):	1.9 x 1.8
Nominal Open Area:	66%
Max. Roll Width:	48"
Max. Roll Length:	500'
Resin:	PP
Color:	Blue
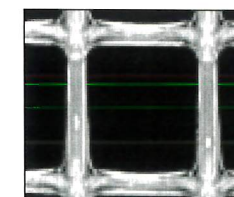
XN 3110
Hole Size:	.75" x .75"
Thickness:	.13"
Strands (per inch):	1 x 1
Nominal Open Area:	71%
Max. Roll Width:	48"
Max. Roll Length:	500'
Resin:	PP
Color:	Natural

Nominal Specifications

EXTRUDED

Polyethylene
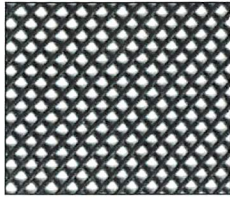
XB 1160
Hole Size: .080" x .080"
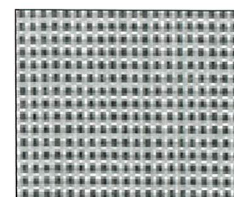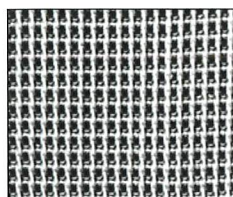Thickness: .060"
Strands (per inch): 10 x 10
Max. Roll Width: 26"
Max. Roll Length: 500'
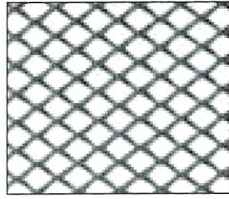
XB 1130
Hole Size: .150" x .150"
Thickness: .050"
Strands (per inch): 8 x 8
Max. Roll Width: 36"
Max. Roll Length: 500'
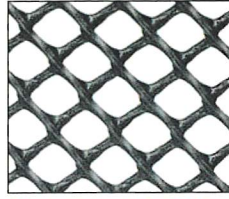
XB 1131 / XY1131
Hole Size: .25" x .25"
Thickness: .080"
Strands (per inch): 4 x 4
Max. Roll Width: 48"
Max. Roll Length: 500'
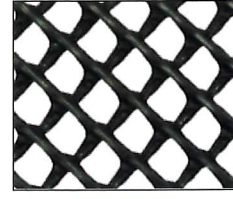
XB 2700
Hole Size: .25" x .25"
Thickness: .115"
Strands (per inch): 4 x 4
Max. Roll Width: 52"
Max. Roll Length: 500'
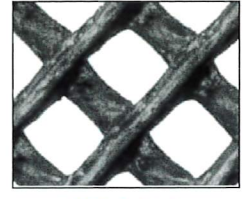
XB 2610
Hole Size: .3" x .3"
Thickness: .13"
Strands (per inch): 3.3 x 3.3
Max. Roll Width: 60"
Max. Roll Length: 100'
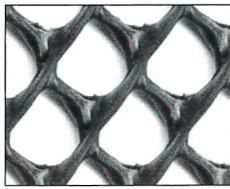
XB 8310
Hole Size: .375" x .375"
Thickness: .200"
Strands (per inch): 2.6 x 2.6
Max. Roll Width: 80.5"
Max. Roll Length: 200'

XB 1132
Hole Size: .5" x .5"
Thickness: .120"
Strands (per inch): 2 x 2
Max. Roll Width: 48"
Max. Roll Length: 500'

XB 1135 / XY1235
Hole Size: .75" x .75"
Thickness: .140"
Strands (per inch): 1.3 x 1.3
Max. Roll Width: 48"
Max. Roll Length: 500'

XB 1133
Hole Size: 1.25" x 1.25"
Thickness: .14"
Strands (per inch): .8 x .8
Max. Roll Width: 48"
Max. Roll Length: 500'

Extruded Diamond Characteristics

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. Choose from nets made from polypropylene (PP) or polyethylene (PE) resins.

Natural Polypropylene

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: 250'

XN 4800
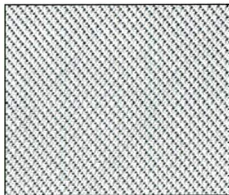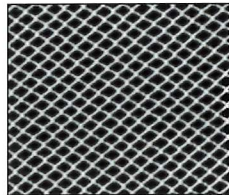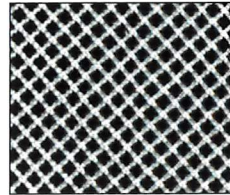Hole Size: .050" x .050"
Thickness: .021"
Strands (per inch): 16 x 16
Nominal Open Area: 60%
Max. Roll Width: 40"
Max. Roll Length: 500'

XN 4411
Hole Size: .065" x .065"
Thickness: .040"
Strands (per inch): 11 x 11
Nominal Open Area: 58%
Max. Roll Width: 36.75"
Max. Roll Length: 500'
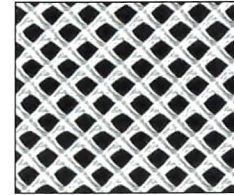
XN 4510
Hole Size: .094" x .094"
Thickness: .080"
Strands (per inch): 8 x 8
Nominal Open Area: 45%
Max. Roll Width: 24"
Max. Roll Length: 250'
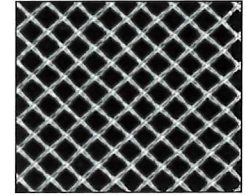
XN 4820
Hole Size: .100" x .100"
Thickness: .031"
Strands (per inch): 9 x 9
Nominal Open Area: 75%
Max. Roll Width: 41"
Max. Roll Length: 500'

XN 4835
Hole Size: .11" x .11"
Thickness: .046"
Strands (per inch): 7 x 7
Nominal Open Area: 64%
Max. Roll Width: 41"
Max. Roll Length: 300'
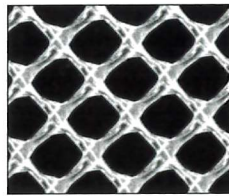
XN 4700
Hole Size: .25" x .25"
Thickness: .100"
Strands (per inch): 4 x 4
Max. Roll Width: 37.5"
Max. Roll Length: 150'
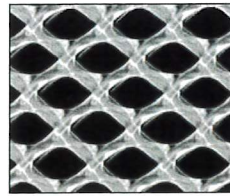
XN 4720
Hole Size: .25" x .25"
Thickness: .115"
Strands (per inch): 3.8 x 3.8
Max. Roll Width: 49"
Max. Roll Length: 300'

XE 3011 / XD 3011 / XP 3011
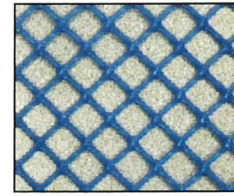Hole Size: .50"
Thickness: .10"
Strands (per inch): 2 x 2
Resin: PP/PE
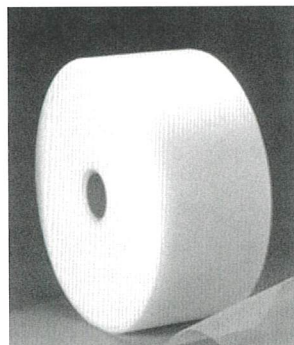Max. Roll Width: 48"
Max. Roll Length: 1000'

Oriented Netting Characteristics

Biaxially oriented polypropylene nets are lighter weight and more flexible than extruded square mesh. Orientation "stretches" extruded square mesh in one or both directions under controlled conditions to produce strong, flexible, light weight netting. Choose from a broad range of mesh sizes, web widths, apertures, and configurations.
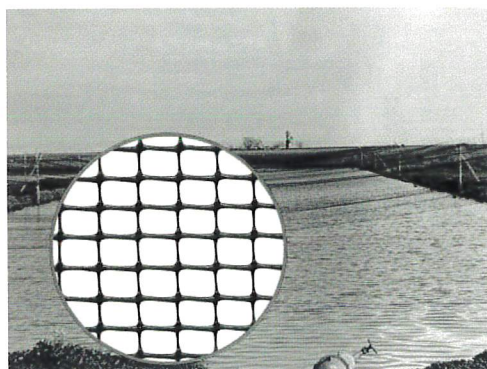
Polypropylene (PP)

Melt Temperature:	322°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 natural PP products are manufactured to comply with FDA regulations for food contact and USP Class VI for pharmaceuticals.
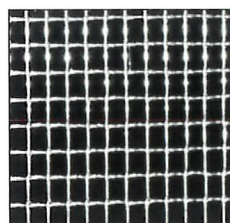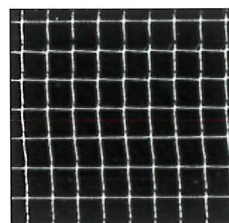
Custom slit roll.

Aquaculture Predator Netting

ON 6200

Hole Size:	1/6" x 1/8"
Weight (lbs/1000ft2):	7
Strands (per inch):	6 x 8
Max. Roll Width:	168"
Max. Roll Length:	5000'
Resin:	PP
Color:	Natural

ON 6275

Hole Size:	1/6"
Weight (lbs/1000ft2):	1.5
Strands (per inch):	6 x 6
Max. Roll Width:	73"
Max. Roll Length:	30,000'
Resin:	PP
Color:	Natural
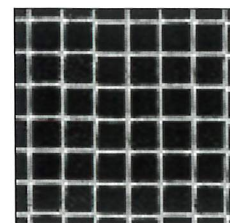
ON 9565

Hole Size:	1/6"
Weight (lbs/1000ft2):	3.25
Strands (per inch):	6 x 6
Max. Roll Width:	96"
Max. Roll Length:	10,000'
Resin:	PP
Color:	Natural
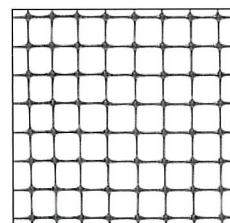
OV 7100

Hole Size:	1/6"
Weight (lbs/1000ft2):	10.0
Strands (per inch):	6 x 6
Max. Roll Width:	168"
Max. Roll Length:	3000'
Resin:	PP
Color:	Black
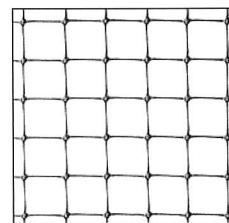
OV 3018

Hole Size:	1/4"
Weight (lbs/1000ft2):	7
Strands (per inch):	4 x 4
Max. Roll Width:	168"
Max. Roll Length:	3000'
Resin:	PP
Color:	Black
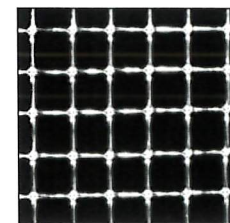
ON 3018

Hole Size:	1/4"
Weight (lbs/1000ft2):	7
Strands (per inch):	4 x 4
Max. Roll Width:	172"
Max. Roll Length:	12,000'
Resin:	PP
Color:	Natural
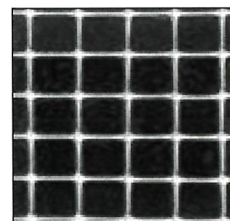
ON 4130

Hole Size:	1/4"
Weight (lbs/1000ft2):	6
Strands (per inch):	4 x 4
Max. Roll Width:	96"
Max. Roll Length:	10,000'
Resin:	PP
Color:	Natural
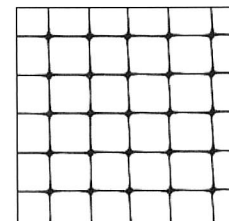
OB 5340

Hole Size:	1/4"
Weight (lbs/1000ft2):	4
Strands (per inch):	4 x 4
Max. Roll Width:	168"
Max. Roll Length:	5000'
Resin:	PP
Color:	Black
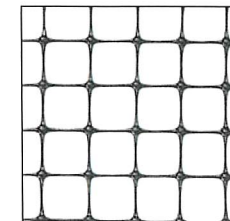
OV 7822

Hole Size:	1/4"
Weight (lbs/1000ft2):	12
Strands (per inch):	4 x 4
Max. Roll Width:	168"
Max. Roll Length:	2500'
Resin:	PP
Color:	Black

Vineyard bird control.

BI-AXIAL ORIENTED NETTING
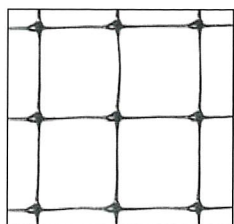
OV 1581
Hole Size:	1/2"
Weight (lbs/1000ft2):	8.5
Strands (per inch):	2 x 2
Max. Roll Width:	168"
Max. Roll Length:	3000'
Resin:	PP
Color:	Black
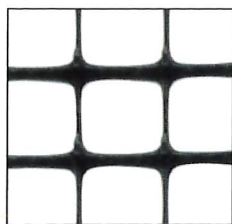
OV 2400
Hole Size:	1/2"
Weight (lbs/1000ft2):	24
Strands (per inch):	2 x 2
Max. Roll Width:	80"
Max. Roll Length:	2600'
Resin:	PP
Color:	Black
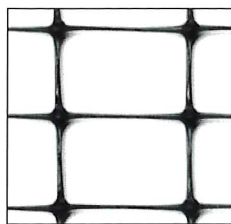
OB 2530
Hole Size:	1/2" x 5/8"
Weight (lbs/1000ft2):	16.5
Strands (per inch):	2 x 1.5
Max. Roll Width:	78"
Max. Roll Length:	330'
Resin:	PP
Color:	Black
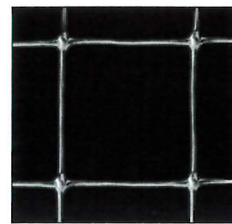
ON 1670
Hole Size:	3/4"
Weight (lbs/1000ft2):	2.2
Strands (per inch):	1.5 x 1.5
Max. Roll Width:	168"
Max. Roll Length:	5000'
Resin:	PP
Color:	Natural
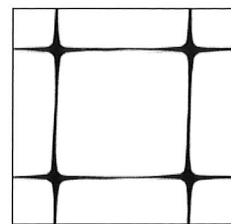
OV 1670
Mesh Size:	3/4"
Weight (lbs/1000ft2):	2.9
Strands (per inch):	1.5 x 1.5
Max. Roll Width:	168"
Max. Roll Length:	5000'
Resin:	PP
Color:	Black
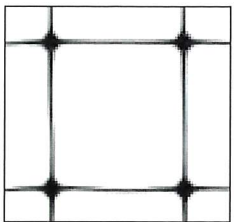
OV 1678
Hole Size:	3/4"
Weight (lbs/1000ft2):	2.8
Strands (per inch):	1.5 x 1.5
Max. Roll Width:	204"
Max. Roll Length:	5000'
Resin:	PP
Color:	Black
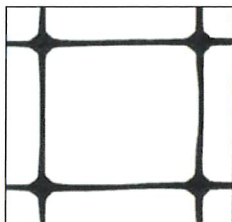
OV 2940
Hole Size:	3/4"
Weight (lbs/1000ft2):	4
Strands (per inch):	1.5 x 1.5
Max. Roll Width:	39"
Max. Roll Length:	5000'
Resin:	PP
Color:	Black
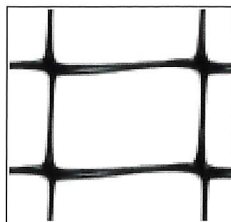
OB 2520
Hole Size:	7/8" x 1-3/8"
Weight (lbs/1000ft2):	17.8
Max. Roll Width:	180"
Max. Roll Length:	330'
Resin:	PP
Color:	Black
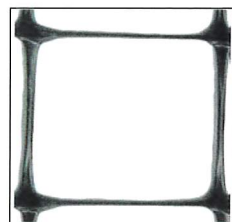
OB 2630
Hole Size:	1"
Weight (lbs/1000ft2):	8
Strands (per inch):	1 x 1
Max. Roll Width:	48"
Max. Roll Length:	5000'
Resin:	PP
Color:	Black
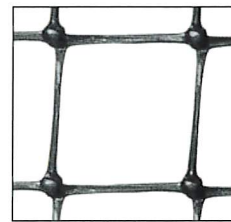
OB 2650
Hole Size:	1"
Weight (lbs/1000ft2):	12
Strands (per inch):	1 x 1
Max. Roll Width:	144"
Max. Roll Length:	2000'
Resin:	PP
Color:	Black

Pest control netting.

Outdoor market - safe, clean, quiet environmentally friendly bird control.
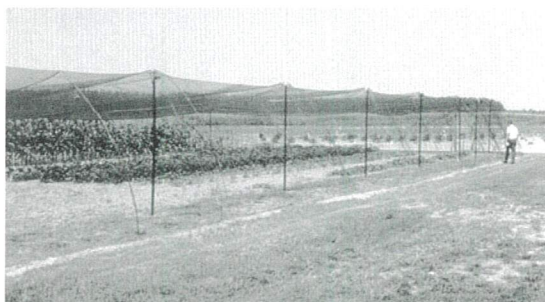
Nursery pest control.

CABLE TIES
Made from black UV stabilized nylon resin to provide the longest possible service life. Choose from 3 different sizes and tensile strengths:

7" long – 50# tensile
14" long – 120# tensile
24" long – 175# tensile
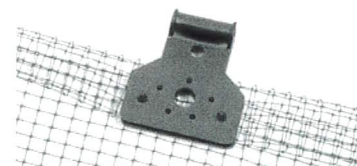
POLYCLIPS "Instant Grommet" - 250 Per Case
• No tools required.
• Just fold over and snap.
• Makes installation of bird control netting easy.

See our You Tube **video**
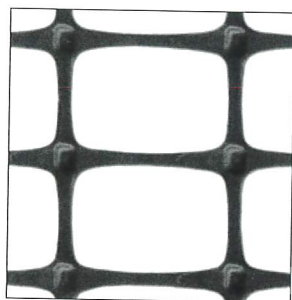
OB 1101

Hole Size: 1 1/2" x 1 1/8"
Weight (lbs/1000ft2): 44
Max. Roll Width: 10, 13 & 16'
Max. Roll Length: 225'
Resin: PP
Color: Black
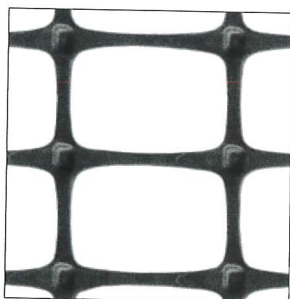
OB 1200

Hole Size: 1 1/2" x 1 1/8"
Weight (lbs/1000ft2): 62
Max. Roll Width: 10' & 12.6'
Max. Roll Length: 164'
Resin: PP
Color: Black

OB 1610

Hole Size: 2" x 2"
Weight (lbs/1000ft2): 73
Max. Roll Width: 13'
Max. Roll Length: 164'
Resin: PP
Color: Black

RackGuard pallet rack safety netting

Cannabis & Hemp Processing

Trellis Netting
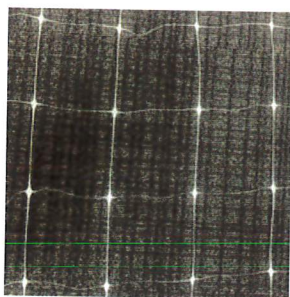
ON 2792

Hole Size: 6-1/4" x 6-1/2"
Weight (lbs/1000ft2): 1.7
Max. Roll Width: 10'
Max. Roll Length: 3,281'
Resin: PP
Color: White

Roll of Trellis Netting

Processing Trays

- 20.5" x 42" Tray made from Glass Filled Nylon 6/6.
- 18" x 25.5" tray made from Polypropylene Resin

Choose any netting of choice to be cut to tray dimensions. Used for cannabis processing and dehydrating fruits, vegetables, meats, pet treats etc.

Melt Temp: 530-570 degrees F
Heat deflection Temp: 475 degrees F
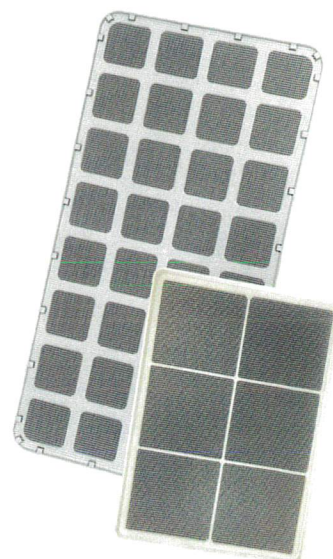
Woven Mesh

Woven mesh industrial textiles are constructed from a broad variety of monofilament synthetic fibers. This precision weaving process creates fine mesh industrial textiles with apertures (hole sizes) as small as 1 micron.

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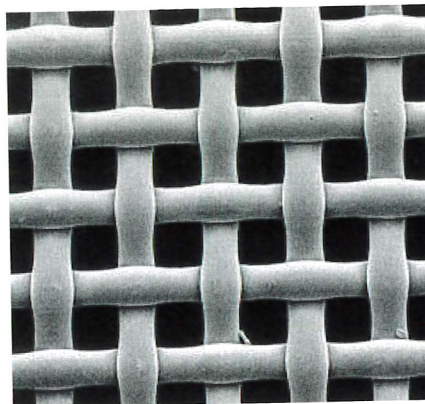
Magnified woven mesh.

FlexGuard III Elastic Sleeves

FlexGuard III sleeves provide the strongest protection for individual parts with corners and sharp edges. FlexGuard Sleeves are reusable and can eliminate the need for other expensive and time consuming protective wrappings like bubble wrap, styrofoam, cardboard, paper or wood. These elastic netting sleeves are made from Polyethylene resin and come in 9 different sizes.

Product Number	Diameter Range	Color	Roll Length
NG 4015	1/2" to 3/4"	White	500'
NG 4020	3/4" to 1"	Orange	285'
NG 4025	1" to 1.375"	Black	235'
NG 4030	1-1/4" to 1-3/4"	Green	165'
NG 4035	1.375" to 2"	Yellow	165'
NG 4040	1-3/4" to 2-1/2"	Gray	135'
NG 4041	1.875" to 2.625"	Blue	110'
NG 4045	2-1/2" to 3-1/2"	Red	90'
NG 4050	2.875" to 4"	Purple	85'

Note: custom cut lengths available
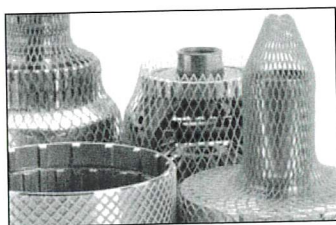
Conforms to virtually any shape.

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.
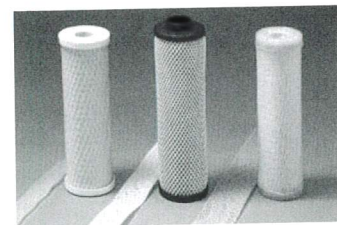
Part Number	Diameter Range (inches)	(inches)	Roll Length (feet)	Strands (per inch)	Polymer	Color
NG 5015	1.25"	2.25"	1500'	N/A	LDPE	Natural
NG 5030	3.54"	N/A	1000'	N/A	PP	Green
NG 5040	3.54"	N/A	1000'	N/A	PP	Purple
NG 5045	2.00"	2.50"	1500'	2.5	PP	Natural
NG 5055	1.75"	2.75"	340'	1.5	LDPE	Yellow

Nominal Specifications

NetGuard™ Standard Duty Elastic Sleeves

This low-density polyethylene netting is highly elastic, and has a soft, cushioned feel. NetGuard stretches up to twice its diameter and is our most economical tubular sleeve for the protection of irregular-shaped parts from damage often caused during shipping and handling.

Part Number	Diameter Range	Color	Roll Length
NG 8010	1/4" to 1/2"	Orange	1000'
NG 8020	1/2" to 1-1/4"	Natural/Light Blue	820' or 1000'
NG 8030	1-1/4" to 2"	Blue	328' or 400'
NG 8040	2" to 3"	Red	164' or 200'
NG 8050	3" to 4"	Beige	164' or 200'
NG 8060	4" to 5-1/2"	Yellow	196' or 200'
NG 8070	5-1/2" to 7"	Brown	196' or 200'
NG 8080	7" to 8-3/4"	Gold	200'

Note: custom cut lengths available

Individual parts protection.

Vexar® Workgrade Elastic Sleeves

Vexar® Workgrade elastic sleeves are our thickest, sturdiest protective sleeves, with additional strands and closer spacing. Although not as elastic as Standard or Super Duty sleeves, Workgrade sleeves provide extra thick protection for individual parts. Workgrade Sleeves are reusable and can eliminate the need for other expensive and time consuming protective wrappings like bubble wrap, Styrofoam, cardboard, paper or wood.

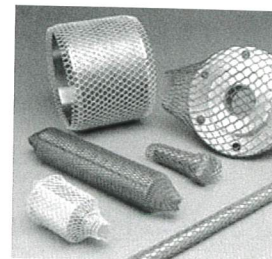| Product Number	Diameter Range	Color	Roll Length
NG 3011	1/4" to 1/2"	Yellow	650' or 3000'
NG 3021	1/2" to 1"	Blue	550' or 2750'
NG 3031	1" to 1-1/2"	Red	340' or 1700'
NG 3036	1-1/2" to 2"	Black	180' or 900'
NG 3041	2" to 2-1/2"	White	160' or 800'
NG 3046	2-1/2" to 3"	Yellow	120' or 600'
NG 3051	3" to 4"	Green	90' or 450'
NG 3061	4" to 5"	Orange	70' or 350'
NG 3066	5" to 6"	Brown	60' or 300'
NG 3071	6" to 7"	Blue	50' or 250'
NG 3081	7" to 9"	Natural	40' or 200'
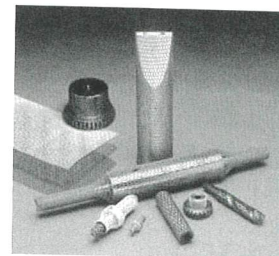
Simple reusable, breathable packaging

Vexar® Superduty Elastic Sleeves

Versatile Superduty sleeves are made from low-density polyethylene, but are heavier, with closer strand spacing than our Standard Duty NetGuard, - still with great elasticity. These elastic netting sleeves will stretch easily over a broad range of part sizes and shapes to provide a "form fit" soft cushion for economical protection against abrasion, scratching, chipping and corrosion.

Product Number	Diameter Range	Color	Roll Length
NG 2010	1/4" to 3/8"	Red	820' or 1500'
NG 2015	3/8" to 5/8"	Orange	820' or 1500'
NG 2020	1/2" to 1"	Blue	820' or 1500'
NG 2030	1" to 2"	Yellow	164' or 1500'
NG 2040	2" to 4"	Red	164' or 1500'
NG 2060	4" to 6"	Green	164'
NG 2070	6" to 8"	Brown	164'
NG 2080	8" to 10"	Crystal	164'
NG 2090	10" to 12"	Green	164'

Note: custom cut lengths available

Spring silencers.

TUBULAR SLEEVES

Nominal Specifications
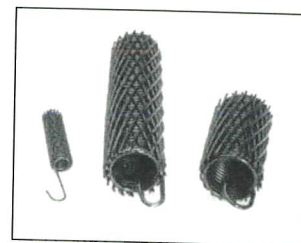
Electroformed Screens

Electroformed Screens feature extremely precise apertures in very close tolerances for use in sorting, screening and sifting in a variety of applications. They are available in a broad range of mesh sizes with holes as small as 5 microns in diameter. The electroforming process results in a fine-line mesh that is more precise than other mesh processes.

Visit **industrialnetting.com/electroformed-screens.html**

Products are nickel, ideal for imaging, electronics, spectrometry, sound and light filtration and phonics – and copper and gold, ideal for electronics and semiconductor applications.

Available in Nickel, Copper, or Gold

- **Precise square apertures**
- **Broad range of mesh sizes, 5 to 2000 wires per inch**
- **Hole size as small as 5 microns**
- **Flat, smooth metal surface**

- **Thickness from 3 to 250 microns**
- **Typical sheet size 11" x 11" (varies by product)**
- **99.98% purity levels**

Precision Etched Pin Holes

Pin Holes are etched to exacting standards from .001" thick stainless steel with the hole taper, or bevel, equally etched from both sides. They are used for a variety of packaging and testing applications.

Applications include calibrated leak and pressure testing, gas and liquid filtering and beam aperture spatial filtering.

Specifications:

Part No	Hole Size*	Hole Profile	Material	Thickness
BP0119	.003"	+/- 3°	1/4 full hard SS	.001"
BP0117	.002"	+/- 3°	1/4 full hard SS	.001"
BP0116	.025"	+/- 3°	1/4 full hard SS	.001"

*hole size tolerance +/- 15% material thickness

Visit **industrialnetting.com/precision-etched-pin-holes.html**

SPECIALTY

Precision Sieves

The electroforming process is used to create Precision Sieves- high tolerance instruments used in sorting, sifting, and screening a variety of materials both in laboratory and manufacturing environments. The flat, smooth surface of the mesh and the close tolerance result in improved cleaning, with less clogging and particulate entrapment common with other types of sieves.

Visit **industrialnetting.com/sieves.html**

Specifications:

Micro-Mesh Standard Sieves

Rim Diameter	Rim Height/SS	Mesh Size	Mesh Tolerance	Standards
3"	1" or 3"		+/- 2um	
6"	1"		+/- 2um	
8"	1" or 2"		+/- 2um	
12"	2"	2um - 200um	+/- 2um	ASTM-161
75mm	25mm	Square, Round, Slotted	+/- 2um	ISO 3310-3
100mm	25mm	& Custom	+/- 2um	
200mm	50mm		+/- 2um	
3"(Acrylic)	1" or 3"		+/- 2um	

Micro-Mesh Ultra Sieves

Rim Diameter	Rim Height/SS	Mesh Size	Mesh Tolerance	Standards
3"	1" or 3"		+/- 1.0um	
8"	1" or 2"		+/- 1.0um	
75mm	25mm	2um - 500um	+/- 1.0um	ASTM-161
100mm	25mm	Square, Round, Slotted	+/- 1.0um	ISO 3310-1
200mm	50mm	& Custom	+/- 1.0um	
3"(Acrylic)	1" or 3"		+/- 1.0um	

Accessories: Micro-Mesh sieves are available with stainless steel covers, matching pans and nesting pans for complete classification systems.

Note: Please see our website for metric information.

Note: Precision Sieves are produced in compliance with ISO specification 3310 and ASTM specification E-161-87. Test data and a certificate of compliance are available for each sieve produced.
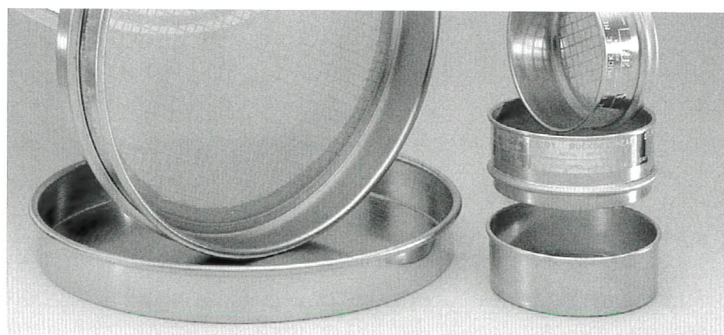
Applications include abrasive powders, confections, solder sphere, petroleum, powder coatings and pharmaceuticals.

SPECIALTY

PTFE Mesh

PTFE (polytetrafluoroethylene) mesh provides a wide range of adaptability to the most extreme filtration and industrial applica-tions. 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.

Materials are certified to meet FDA regulations for food contact.

Polytetrafluoroethylene (PTFE)

|	
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
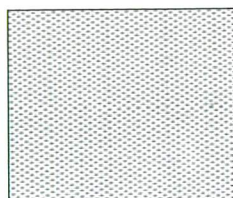
ET 8120

Thickness:	.006" to .010
Max. Roll Width:	12"
Aperture Size:	.025 x .005"
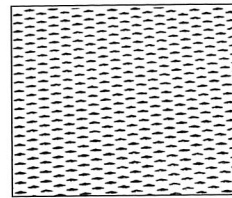
ET 8200

Thickness:	.012 to .018"
Max. Roll Width:	18"
Aperture Size:	.048" x .012"
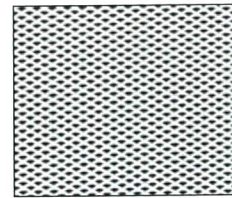
ET 8300

Thickness:	.011" to .018"
Max. Roll Width:	18"
Aperture Size:	.048" x .027"
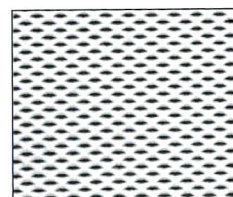
ET 8500

Thickness:	.023" to .033"
Max. Roll Width:	18"
Aperture Size:	.060" x .031"
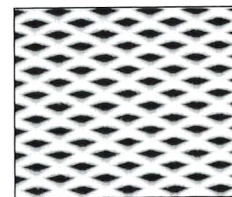
ET 8700

|	
Thickness:	.045" to .060"
Max. Roll Width:	18"
Aperture Size:	.145" x .051"
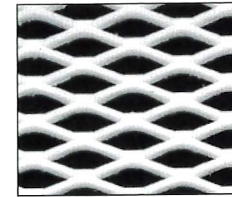
ET 8900

Thickness:	.085" to .110"
Max. Roll Width:	18"
Aperture Size:	.360" x .133"

Rigid Plastic Tubes Characteristics

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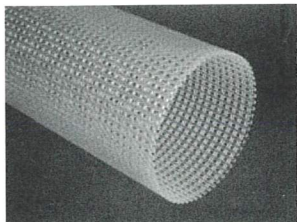
Rigid plastic tubes are extruded to produce fixed apertures with maximum dimensional stability. Industrial Netting features a selection of tubing sizes that is unmatched in the industry.

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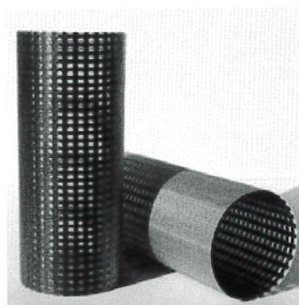
Visit industrialnetting.com/cores.html to choose from nearly 100 unique designs:

- Diameters ranging from 0.312" ID to 4.74" OD.
- Wall thickness from 0.045" to 0.158"
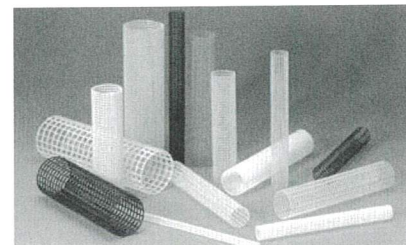
Common lengths in stock for immediate shipment or precision cuts to your required sizes.

Fabricated Tubes & Overwraps

Custom fabricated tubes and 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 structures with rigid cores and fabric or mesh surfaces. 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.

"New" enhanced forming technology minimizes seam thickness to provide a more smooth and concentric inner surface.

TUBES

Make it easy on yourself! Let us do the custom converting. Years of experience have led Industrial Netting to develop custom equipment and unique manufacturing techniques that insure consistent quality at an economical price point. Out-source those cumbersome secondary operations by choosing from a variety of our custom converting services.

Slitting — Precision slitting of roll goods to customer requirements.

Rewinding — Rewinding and folding master rolls to shorter rolls for easier handling and shipping, or matching roll lengths of companion materials.

Sheeting — Custom sheeting of materials to customer dimensions. Prompt turnaround on small quantity and short lead-time orders.

Die Cutting — Custom cutting to any shape.

Tube Cutting — Precision cutting of rigid tubes to customer dimensions.

Fabrication — Sonic welding and heat sealing of plastic netting into shapes.

Formed Tubes — Sonic weld or heat seal flat netting to form tubes.

Overwrapped Tubes — Wrap and weld netting, mesh or fabrics to rigid mesh tubes.

folding

rewinding

sonic welding

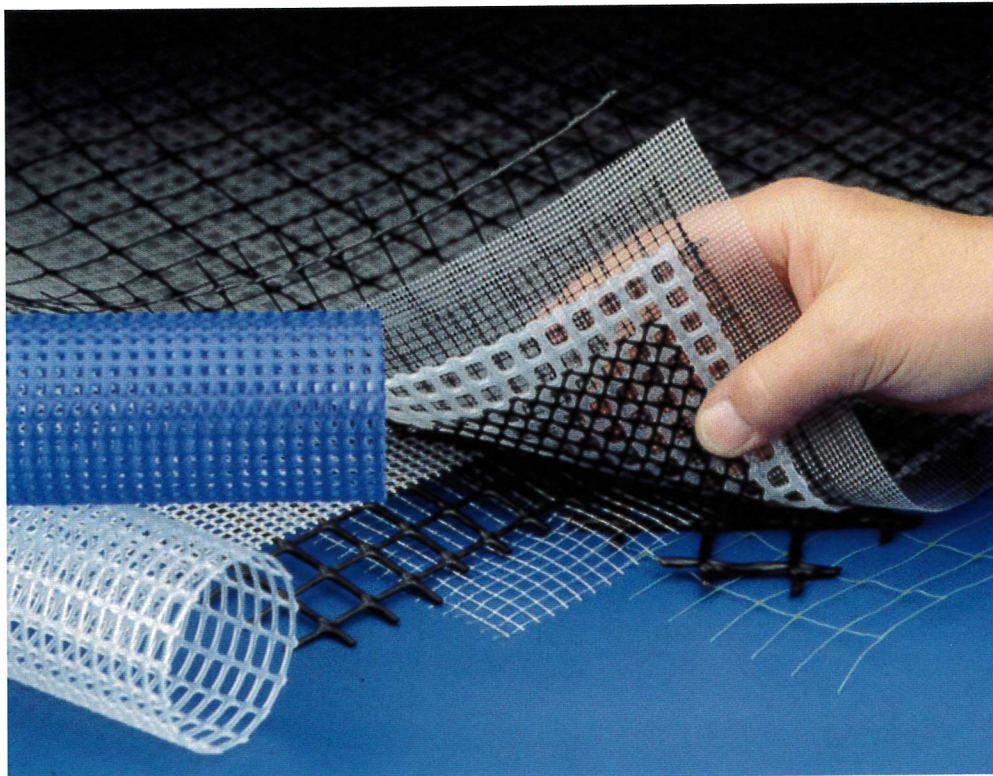*precision tube slitting*

sheeting

roll cutting

die cutting

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