



DIATEX

Technical Fabrics Manufacturer

Agrotextile division

Protection nets

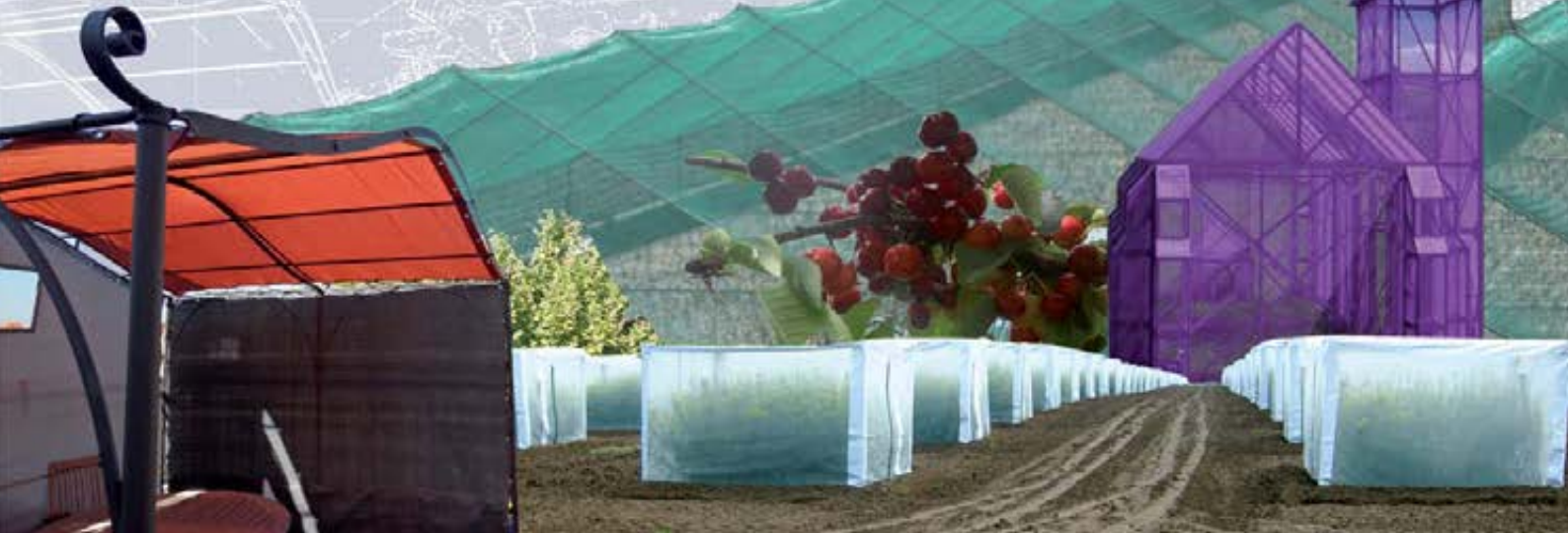
Designed and Customized products

Installation Accessories

Collection Nets

Groundcovers

Privacy Screens



www.diatex.com



Technology, skills and quality since 1986

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A R&D department serving innovation

From fabric manufacturing to vacuum packaging design, DIATEX is highly concerned about R&D. So DIATEX invests in research with the recruitment of specialists and allocates a large part of its turnover to new products development.

Subsidiaries' synergy at the heart of development

In close cooperation with its weaving subsidiaries DIATEX designs new products that help composite materials transformers. DIATEX draws up specifications with its partners in order to set and to optimize the technical characteristics for the products ordered. For environmental and users safety purposes, DIATEX is moving towards an Eco-design approach. Our goal is to satisfy our customers while fully respecting the REACH standards and the Oeko-Tex certification.

A technical support with innovating processes

Diatex designs innovating products that help its customers to reduce their storage costs and to be more efficient.

A commitment to quality

As formal evidence of its commitment to professional quality management, DIATEX has successfully completed its follow up audit for the updated ISO9001:2008, EN9100 V2009 and EN9120 (Bureau VERITAS) certifications, placing it among the leading certified suppliers to the aerospace industry.

 **info**  <http://www.diatex.com/-Quality-.html>



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I. Insect proof and pollination nets

Anti insect nets are used to isolate crops in order to prevent or stimulate plant pollination via insects or wind. Depending on the mesh opening, they protect from flies, aphids, thrips ..
 Insect-proof nets are especially recommended for biological crops.



INSECT PROOF AND POLLINATION NETS

MONOFILAMENT FABRICS (ROUND THREADS, HORSEHAIR)

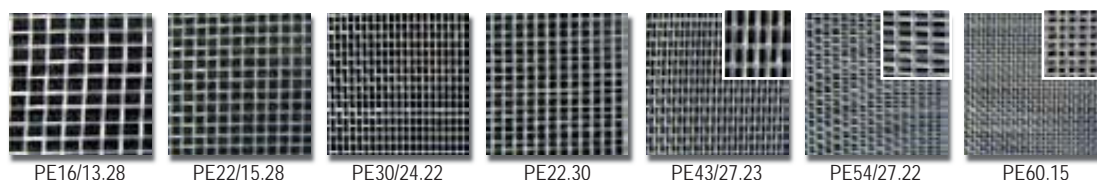
REF	Mesh opening	Category	Material / Color	Width	Length	Weight	Permeability under 200 Pa
F1032	3000 x 2000µ	B	HDPE / Cristal	1,5 - 2 - 3 - 4 - 6 m	100 m	100 g/m ²	>15000 l /m ² /s
PE16/13.28	1600 x 1400µ	H - B	HDPE / Cristal	2 - 2,5 - 3 - 4 m	100 m	80 g/m ²	>15000 l /m ² /s
PE22/15.28	1400 x 900µ	H - B	HDPE / Cristal	2 - 2,5 - 3 - 4 m	100 m	96 g/m ²	>15000 l /m ² /s
PE30/24.22	950 x 800µ	F	HDPE / Cristal	1,5 - 2,15 - 4,3 - 6,4 m	100 m	70 g/m ²	14300 l /m ² /s
PE22.30	920 x 920µ	F - A	HDPE / Cristal	1,5 - 2 - 2,7 - 3,1 m	100 m	110 g/m ²	13300 l /m ² /s
PE43/27.23	800 x 300µ	WF	HDPE / Cristal	2 - 3 - 4 m	100 m	110 g/m ²	13200 l /m ² /s
PE54/27.22	800 x 250µ	WF (BT)	HDPE / Cristal	1 - 1,5 - 2 - 3 - 4 m	100 m	125 g/m ²	10900 l /m ² /s
PE62/30.17	800 x 200µ	WF (BT)	HDPE / Cristal	1,45 - 1,5 - 2 - 3,1 m	100 m	80 g/m ²	13600 l /m ² /s
PE60/27.22	800 x 200µ	WF (BT)	HDPE / Cristal	1,3 - 2 - 3 - 4 m	100 m	130 g/m ²	10100 l /m ² /s
PE38/32.24	600 x 500µ	A	HDPE / Cristal	1,5 - 2 - 3 - 4 m	100 m	120 g/m ²	11350 l /m ² /s
PE60.15	300 x 300µ	T	HDPE / Cristal	1,45 - 1,5 - 2 - 3,1 m	100 m	100 g/m ²	8450 l /m ² /s
MF20020	300 x 200µ	PL - T	PA / Cristal	1,56 m	100 m	17 g/m ²	>15000 l /m ² /s
PE120/54.17	350 x 50µ	PL	HDPE / Cristal	1,8 m	100 m	170 g/m ²	2960 l /m ² /s
PES97.10	150 x 150µ	PL	PES/ Cristal	1,3 m	100 m	90 g/m ²	10100 l /m ² /s
PA171.6	100 x 100µ	PL	PA / Cristal	1,82 m	5 - 10 - 20 m	49 g/m ²	6790 l /m ² /s
PES245.4	68 x 68µ	PL	PES/ Cristal	1,35 m	5 - 10 - 20 m	32 g/m ²	5825 l /m ² /s
PA267.44	50 x 50µ	PL	PA / Cristal	1,18 m	5 - 10 - 20 m	38 g/m ²	3800 l /m ² /s
PES325.4	41 x 41µ	PL	PES/ Cristal	1,35 m	5 - 10 - 20 m	45 g/m ²	3200 l /m ² /s
PES380.34	32 x 32µ	PL	PES/ Cristal	1,14 m	5 - 10 - 20 m	40 g/m ²	2675 l /m ² /s
PA420.37	25 x 25µ	PL	PA / Cristal	1,14 m	5 - 10 - 20 m	42 g/m ²	1530 l /m ² /s
PA542.30	21 x 21µ	PL	PA / Cristal	1,14 m	5 - 10 - 20 m	34 g/m ²	1315 l /m ² /s

B : Bumblebee H : Honeybee F : Fly WF: Whitefly BT: Bemisia Tabaci A : Aphid T: Thrips PL : Pollen

MULTIFILAMENT FABRICS

REF	Mesh Opening	Category	Material / Color	Width	Length	Weight	Permeability under 200 Pa
DIATEX1000	100 x 40µ	PL	PES/ White	1,5 m	tailor-made	50 g/m ²	605 l /m ² /s
MF837	50 - 70µ	PL	PES/ Cristal	1,7 m	tailor-made	65 g/m ²	100 l /m ² /s

Other dimensions on demand



SPECIFIC NET FOR POLLINATION RESEARCH

Diatex has developed a net in order to assess the contribution of pollinators on plant sexual reproduction and crop production.

Let through 75% on average of the incident airborne pollen flow.

REF	Mesh Opening	Material	Weight
F 510	1050µ (1 mm)	100% polyamide	10.50 g/m ²



DESIGN OF TAILOR-MADE ISOLATION SLEEVES OR CAGES

Diatex can manufacture isolation sleeves or cages with its nets. Prototype and quotation on request.

REF	Mesh opening	Material / Color	Weight	Permeability under 200 Pa
DIATEX 1000	100 x 40 μ	PES / White	50 g/m ²	605 l/m ² /s
F550	200 x 700 μ	PES / Cristal	50 g/m ²	7900 l/m ² /s
FI41PERF	500 μ	LDPE / Cristal	41 g/m ²	3060 l/m ² /s



DIATEX has a relevant experience in designing tailor-made cages or sleeves for its partners. For many years we have been providing French famous research centers (INRA, CNRS,..) with our nets as well as seed producers in France and in Europe.



INSECT-PROOF NETS MAIN CHARACTERISTICS

Tear-resistance : good for polyethylene fabric and excellent for polyamide fabric.

Mesh openings for all types of pollination (entomophilous or anemophilous).

Materials :

PA : Polyamide. Low UV-resistance.

HDPE/Polyethylene. Excellent UV-resistance.

PES : Polyester. Very good UV-resistance.

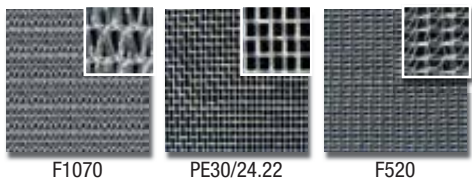
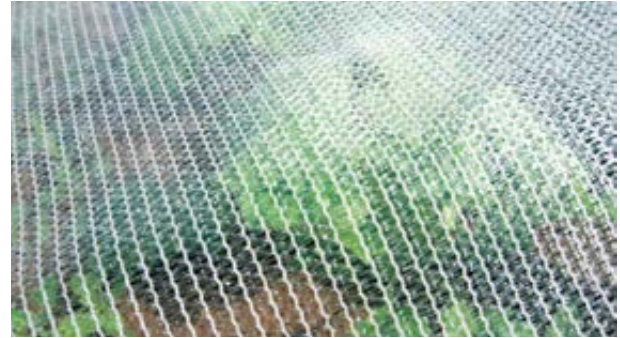


FIELD CROP PROTECTION NETS

The field crop nets we have developed provide protection from wild animals, birds or insects, depending on the mesh opening. Their lifespan is around 4 to 7 years for reusable nets and 1-2 years for thin insect-proofs.

The F 1070 Net has very valuable climatic features. It actually creates a barrier against the cold associated with very good ventilation. It effectively combats many insects, especially the cabbage root fly. It ensures protection from heavy rains, wind, hail and birds. Service life pan: 4-6 years depending on conditions of use.

The PE30/24.22 net is recommended for carrots flea beetles and flies.



F1070

PE30/24.22

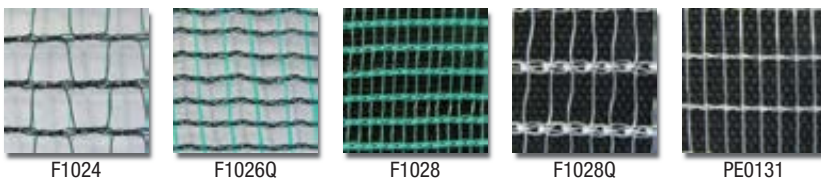
F520

REF	Mesh Opening	Color	Width	Lenght	Weight	Weave
F1070	M.Triangular	PEHD / Cristal	2 - 4 - 6 - 8 - 10 - 12 - 14 - 16 m	100 - 200 m	38 g/m ²	Woven
PE30/24.22	950 x 800μ	PEHD / Cristal	1,5 - 2,15 - 4,3 - 6,4 m	100 m	70 g/m ²	Knitted
F520	660 x 660μ	PA / Cristal	1,1 - 1,65 - 2,2 - 3,3 - 4,4 - 6,6 - 8,8 m	250 m	18 g/m ²	Woven

II. Anti-hail and Anti-bird netting

ANTI-HAIL RANGE

REF	Mesh Opening	Color	Width	Lenght	Weight	Shade Coeff	Weave
F1024	8 x 5	Green	1,5 - 2 - 3 - 4 - 6 m	100 m	50 g/m ²	16%	Woven
F1026Q	5 x 3	Green	2 - 3 - 4 - 6 m	100 m	65 g/m ²	30%	Woven
F1028	8 x 3	Light Green	2,5 - 3 m	100 m	50 g/m ²	18%	Woven
F1028Q	8 x 3	Cristal	2 - 2,5 - 3 m	100 m	50 g/m ²	8%	Woven
PE0131	7 x 3	Cristal	1 à 5,20 m	100 m	45 g/m ²	20%	Knitted



F1024

F1026Q

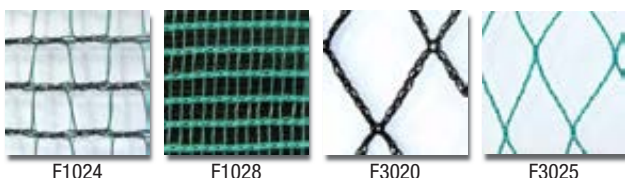
F1028

F1028Q

PE0131

ANTI-BIRD NETTING

REF	Mesh Opening	Color	Width	Lenght	Weight
F1024	8 x 5	Green	1,5 - 2 - 3 - 4 - 6 m	100 m	50 g/m ²
F1028	8 x 3	Light Green	2,5 - 3 m	100 m	50 g/m ²
F3020	20 x 20	Black	5 - 10 m	50 - 100 m	35 g/m ²
F3025	25 x 25	Light Green	4 - 8 - 12 m	100 m	13 g/m ²



F1024

F1028

F3020

F3025



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