

Robots all have some kind of mechanical construction, a frame, base or chassis designed to address a particular task. For example, a robot designed to travel across heavy dirt or mud might have a heavy-duty tread, a variation to compensating for the uneven task and dealing with the pressure of the environment around it. Each follows function.

Robots have identical components, which are used to create the mechanical structure. For example, a robot with a single jointed arm will have a single jointed arm. The components in the frame of a robot are designed to support the weight of the robot and the weight of the payload. The components are designed to be able to handle the weight of the payload and the weight of the robot. The components are designed to be able to handle the weight of the payload and the weight of the robot.

All robots have some level of control, either manual or automatic. A program is used to control a robot. A robot that needs to move around a factory floor will have a control system that is programmed to move the robot from point A to point B. The control system will be programmed to move the robot from point A to point B. The control system will be programmed to move the robot from point A to point B.

Control systems can be manual or automatic. A robot with manual control is controlled by a person. A robot with automatic control is controlled by a program. A robot with manual control is controlled by a person. A robot with automatic control is controlled by a program. A robot with manual control is controlled by a person. A robot with automatic control is controlled by a program.

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LET'S EXPLORE THE INDUSTRY

OF TOMORROW



# Industry Selector Guide

# WELCOME TO A NEW WORLD

# OF MATERIALS

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<b>€285 Mn</b> 2020 REVENUE	<b>1650</b>  EMPLOYEES WORLDWIDE	<b>12</b>  INDUSTRIAL SITES	<b>2</b>  R&D CENTERS	 WORLDWIDE PRESENCE
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## COALESCENCE, FOR A SAFER, SUSTAINABLE WORLD

A powerful combination of chemistry and textiles for a safer and more sustainable world. Porcher Industries designs and manufactures technical materials that can be found

everywhere, making the invisible essential and our every day life safer.

## DIVERSE MARKETS WITH HIGH REQUIREMENTS

Porcher Industries designs and manufactures technical materials allowing cutting-edge companies in the fields of aerospace and defense, automotive, building, industry, energy and sport to anticipate technological and functional evolutions regarding the most complex textile, technical and composite materials.



## WORLDWIDE PRESENCE

A local service wherever you are in the world. Porcher Industries' extensive network of 16 industrial sites, 2 R&D centers and many sales locations spread across 3 continents, places us close to all of our customers, guaranteeing

a rapid local response and superior customer service.



## QUALITY IS IN OUR DNA



Porcher Industries makes the quality of its products an absolute priority in the company. Offering the customer the product he needs to ensure the smooth running of his process is the commitment of everyone. Our teams (production, methods, quality) work hard to maintain this level of commitment.

## SERVICES



Porcher Industries assumes a leadership position in the technical reinforcements market, thanks to flexibility in production and close cooperation between our technical teams and those of our clients.

## DEDICATED SOLUTIONS



Our technicians and engineers are dedicated to the continuous development of new products and new solutions. They strive to find sustainable responses to specific requirements with the knowledge of the products and of the customer processes

## MAKING THE WORLD MORE RESPONSIBLE



Porcher industries places sustainability at the heart of its development. Committed to an eco-responsibility approach, Porcher Industries anticipates the application of European regulations and is engaged in a process of reevaluation of its products.



## EMBRACING THE IMPOSSIBLE

Is your project different ? Our abilities are infinite. For more information about our tailored-made solutions, contact us !

## A SELECTION OF THE BEST MATERIALS

Porcher Industries uses the best and most appropriate materials for the manufacture of its products. This is the guarantee for respecting requirements from our customers.



**E-GLASS** : Standard quality of fiber glass with full range from 5 to 9 microns filament and 2,8 to 272 tex count range. These yarns offer a good tensile strength and a low modulus of elasticity.



**S-GLASS** : Due to the high inherent tensile and compressive strengths of the fiber, S Glass fibers offer outstanding structural performance, protection against fire, smoke and toxicity.



**PET** : Polyethylene terephthalate ( Polyester). 2 types of PET yarns are converted.

**HT (High Tenacity) grade** : When low elongation, tear and temperature resistance , textile strength are required.

This is the main case in our range.

**«Textile» grade** : when HT properties are not required, then «Textile» grade are used.



**CARBON YARNS** : carbon is a high strength and high modulus fiber capable of withstanding temperatures of 1500°C without substantial loss to fiber properties.



**ARAMID** : Aramid fibers are a class of synthetic fibers with excellent thermal and dimensional stability. Lighter in weight than E-Glass with higher specific strengths. Mainly used for protective clothing, mechanical rubber goods reinforcement.

PVA or Polyvinyl Alcohol, is a water-soluble synthetic polymer that bring High tenacity, Low-elongation, High modulus, Low creep, Heat resistance.



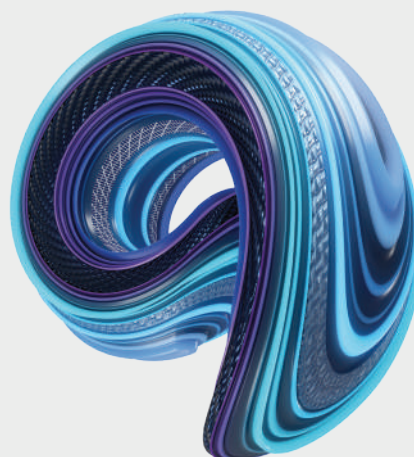
**Thermoplastic range** : Porcher industries has developed a range of composites based on Glass or Carbon, as reinforcements and Thermoplastic matrixes.

**In the range** : PEEK ( Polyether Ether Ketone), PPS ( PolyPhenylene Sulfide), PA ( Polyamide) , PC ( Polycarbonate), TPU ( Thermoplastic Polyurethane).

Each of these has specific characteristics.

# SUMMARY

Presentation of Porcher industries	p. 2
Our range of products	p. 4
<b>Applications :</b>	
Adhesives	p. 6
Fabrics / Scrim / Scrim with controlled thickness	p. 7
Composites	p. 8
Fabrics Carbon	p. 8
Fabrics Aramid-Kevlar / Polyamide / Glass	p. 9
Energy	p. 10
High voltage	p. 10
Electronics	p. 11
Alternative energy	p. 11
Fabrics for coating	p. 12
Food processing	p. 13
Technical applications	p. 13
Filtration	p. 14
Hot gas filtration	p. 15
Aluminium filtration	p. 15
Rubber reinforcements	p. 16
Hoses	p. 17
Hoses / Profiles	p. 17
Thermal insulation	p. 18
Technical insulation	p. 19
Sewing threads	p. 19
Packaging	p. 20
Scrim	p. 21
Index	p. 22



## ADHESIVES

### AN IDEAL SUPPORT FOR YOUR ADHESIVE TAPES

With the development of chemistry, technical adhesives became a very competitive means of assembly compared to welding or mechanical processes, especially when the adhesive mass support participates in the performance.

As a double-sided tapes, we offer thin scrims (GREC® types, namely Scrim with Controlled Thickness). This helps to reduce the adhesive weight applied by our customers, to bring more adhesive tapes in the same diameter of roll and to save cost while providing the

required dimensional stability. Our range allows to serve the requirements of these markets: packaging, automotive, building, aeronautics or industry.

For high-performance applications (electrical insulation for instance), with our variety of thin and tight glass fabrics we offer supports which are flexible, stable and easy to cut into ribbons without fraying.



## Fabrics - E-Glass

Weight (g/sqm)	Std width (in mm)	Weave	Construction	Warp	Weft	Finish	Style
49	1270	Plain	23,6 x 18,5	EC5 11 tex	EC5 11 tex	306	01080
54	1820	Leno	4,4 x 2,2	EC9 33 tex	EC9 66 tex	818	01659
70	1050	Plain	23,6 x 18,8	EC5 11 tex	EC7 22 tex	000	2081
107	1050/1270	Plain	23,6 x 22,9	EC7 22 tex	EC7 22 tex	000	2116
107	1370	Plain	23,6 x 22,9	EC5 11 x2 tex	EC7 22 tex	000	3698
121	1320	Plain	48,0 x 19,2	EC5 11 tex	EC9 34 tex	000	3675
127	1100/1220	Plain	48,0 x 20,7	EC5 11 tex	EC9 34 tex	000	965
131	640/1250	Plain	39,5 x 16,5	EC5 11 tex	EC6 50 tex	000	1290
142	640/1250	Plain	39,5 x 15,6	EC5 11 tex	EC9 68 tex	000	1291
200	1120/1570	Plain	16,5 x 12,6	EC7 22 tex	EC7 22 tex	000	00128
849	1720	8H satin	9,2 x 7,9	EC9 134 tex	EC9 134 tex	000	03784
866	1520	8H satin	9,2 x 7,9	EC6 134 tex	EC6 134 tex	000	3884

## Scrims - PET

Weight (g/sqm)	Width (mm)	Weave pattern	Construction (yarn/cm)	Warp	Weft	Finish	Style
6,3	1030/1060/1520	GD	4 x 2,1	PET 76 dtex	PET 80 dtex	PVAC/PVOH	D3942S010
15,5	1025	GD	8 x 2	PET 76 dtex	PET 80 dtex	PVC	D3945S072
3,3	1060/1590	GDX	3 x (0,4x2)	PET 76 dtex	PET 80 dtex	PVOH	D4102S002
4	1020/1220	GD	3 x 1	PET 76 dtex	PET 80 dtex	PVAC/PVOH	D4138S010
6,3	1060	GD	4 x 2,1	PET 76 dtex	PET 80 dtex	PVAC/PVOH	M3942S010
6.4	1025	GD	3 x 2	RPET 76dtex	RPET 80dtex	EVA	D4362S018

## Scrims - E-Glass

Weight (g/sqm)	Width (mm)	Weave pattern	Construction (yarn/cm)	Warp	Weft	Finish	Style
54	1025	GD	7 x 3	EC9 34 tex	EC5 11 tex	EVA	D3742S018*

## Scrims with controlled thickness - PET

Weight (g/sqm)	Std width (in mm)	Pattern	Construction	Warp	Weft	Finish	Style
6,5	1350	GD	3 x 3	PET 76 dtex	PET 80 dtex	EVA	D3943C018
4,8	1050/1220/1550	GD	3,3 x 1	PET 76 dtex	PET 80 dtex	EVA	D4152C018
6,7	1030/2060/2100	GD	4 x 1	PET 76 dtex	PET 80 dtex	EVA	M3949C018

GDX : mesh with triangular shape  
GD : Square or rectangular mesh with offset warp

\* with PET film 17g/sqm laminated

Finish	Description
000	Greige fabric
714	Acrylic black color



## COMPOSITES

### ADDED VALUE OF OUR COMPOSITES

Thermoplastic composites combine the advantages of continuous fibers and polymer, where :

- woven continuous fibers bear the mechanical loads of the composite
- polymers distribute these strengths over the fibers and determine the thermal, chemical and part of the impact resistance of the composite.

The use of composites gives very high

flexibility to optimize the material according to the required specifications. It results in lighter, sometimes thinner, stronger and more durable structures compared to conventional materials. Porcher industries extended its know-how to thermoplastic composites in the early 1990's, before investing in a more competitive and flexible impregnation technology to be able to offer today a broad range of thermoplastic composites.

### Fabrics - Carbon - Balanced

#### 3K HS

Weight (g/sqm)	Std width (mm)	Weave	Construction	Warp	Weft	Weight ratio (%)	Finish	Style
160	1000	Plain	4,0 x 4,0	3K HS	3K HS	50 / 50	000	3750
160	1000	2 x 2 Twill	4,0 x 4,0	3K HS	3K HS	50 / 50	000	4750
196	1270	Plain	4,9 x 4,9	3K HS	3K HS	50 / 50	000	94901
200	1000 / 1250	Plain	5,0 x 5,0	3K HS	3K HS	50 / 50	000	3679
200	1000 / 1250	2 x 2 Twill	5,0 x 5,0	3K HS	3K HS	50 / 50	000	3692
205	1270	2x2 Twill	5,1x5,1	3K HS	3K HS	50 / 50	000	94933
245	1000 / 1250	2 x 2 Twill	6,0 x 6,0	3K HS	3K HS	50 / 50	000	3105
285	1250	5 H Satin	7,0 x 7,0	3K HS	3K HS	50 / 50	000	3106

#### 12K HS

Weight (g/sqm)	Std width (mm)	Weave	Construction	Warp	Weft	Weight ratio (%)	Finish	Style
193	1000 / 1270	Plain	1,2 x 1,2	12K HS	12K HS	50 / 50	000	2005
193	1000 / 1270	2 x 2 Twill	1,2 x 1,2	12K HS	12K HS	50 / 50	000	2015
290	1270	Plain	1,8 x 1,8	12K HS	12K HS	50 / 50	000	2010
385	1250	2 x 2 Twill	2,4 x 2,4	12K HS	12K HS	50 / 50	000	2011
420	1250	2 x 2 Twill	2,6 x 2,6	12K HS	12K HS	50 / 50	000	3855
470	1250	Plain	2,9 x 2,9	12K HS	12K HS	50 / 50	000	13757
470	1250	2 x 2 Twill	2,9 x 2,9	12K HS	12K HS	50 / 50	000	3758
600	1250	2 x 2 Twill	3,7 x 3,7	12K HS	12K HS	50 / 50	000	3343
650	1250	2 x 2 Twill	4,0 x 4,0	12K HS	12K HS	50 / 50	000	3305
670	1270	2 x 2 Twill	4,1 x 4,1	12K HS	12K HS	50 / 50	000	94940

#### 24K HS

Weight (g/sqm)	Std width (mm)	Weave	Construction	Warp	Weft	Weight ratio (%)	Finish	Style
830	1250	2 x 2 Twill	2,5 x 2,5	24K HS	24K HS	50 / 50	000	4533
1000	1250	2 x 2 Twill	2,9 x 2,9	24K HS	24K HS	50 / 50	000	4527

#### 48K HS

Weight (g/sqm)	Std width (mm)	Weave	Construction	Warp	Weft	Weight ratio (%)	Finish	Style
1350	1250	2 x 2 Twill	2,1 x 2,1	48K HS	48K HS	50 / 50	000	3872



## Fabrics - Carbon - Quasi-UD

### 12K HS

Weight (g/sqm)	Std width (mm)	Weave	Construction	Warp	Weft	Weight ratio (%)	Finish	Style
205	1000	Plain	2,4 x 1,0	12K HS	Hot Melt glass yarn	96 / 4	000	4510
300	1000	Plain	3,7 x 1,0	12K HS	Hot Melt glass yarn	97 / 3	000	4500

## Fabrics - Aramid

### Kevlar

Weight (g/sqm)	Std width (in mm)	Weave	Construction	Warp	Weft	Finish	Style
170	1270	2x2 Twill	6,7 x 6,7	K49 1270 dtex	K49 1270 dtex	927	5284
170	1270	4H Satin	6,7 x 6,7	K49 1270 dtex	K49 1270 dtex	927	5285

## Fabrics - E-Glass

Weight (g/sqm)	Std width (in mm)	Weave	Construction	Warp	Weft	Finish	Style
49	1270	Plain	23,6 x 18,5	EC5 11 tex	EC5 11 tex	306	1080
105	965/1120	Plain	23,6 x 22,9	EC7 22 tex	EC7 22 tex	731	2116
170	1280/1670	Plain	11,8 x 11,8	EC9 68 tex	EC9 68 tex	731	7630
192	1000/1270	Plain	7,0 x 7,0	EC9 134 tex	EC9 134 tex	504	3733
202	965/1260	Plain	17,4 x 11,8	EC9 68 tex	EC9 68 tex	731, 001	7628
235	1050	Plain	17,4 x 8,1	EC9 68 tex	EC9 136 tex	731, 001	7637
290	1000/1270	2x2 Twill	21,2 x 7,0	EC9 66 tex	EC11 198 tex	504	7725
327	965	Plain	6,2 x 5,6	EC9 134x2	EC9 134x2	504	7500
328	1280	Plain	6,3 x 5,5	EC11 276 tex	EC11 276 tex	0	1800
604	1000/1270	2 End Plain	11,0 x 5,5	EC9 134 tex	EC9 134 tex	504, 000	7544
682	965	Mock Leno	15,4 x 8,3	EC9 134x2	EC9 134x2	504	7587
1120	965	Multilayer weave	11,4 x 11,8	EC9 134x4	EC9 134x4	504	1597

## Fabrics - Synthetic

### Peel Ply

Weight (g/sqm)	Std width (in mm)	Weave	Construction	Warp	Weft	Finish	Style
82	90	Plain	19 x 15	PA 66 235 dtex	PA 66 235 dtex	DEO*	9280
90	800	Plain	19 x 19	PA 66 235 dtex	PA 66 235 dtex	DEO*	9202

Range of matrices : PEEK, PEKK, PPS, PEI, PC, TPU, PA12, PA6, PA66, PP

Finish  
000  
001

Description  
Greige fabric  
Heat cleaned

504  
731

Compatible with polyester and epoxy resins  
Silane finish

All carbon fibers are industrial grade. IM & HM carbon fibers on demand / Epoxy binder for stabilization or for preforms (i.e. one side 8 to 15 gsm) on demand. Fabrics on demand in case of other mandatory fibers

## ENERGY

More and more different energy sources are fueling the grid.

A variety of technical performances have to meet with the corresponding way of electricity production.

Materials used have to reach a full range of demanding specifications.

Based on many years of experience, Porcher Industries has developed solutions for insulation systems and process technologies for always higher performance and longlasting reliability.

### High Voltage / Cable

#### Fabrics - E-Glass

Weight (g/sqm)	Std width (in mm)	Weave	Construction	Warp	Weft	Finish	Style
19	1030	Plain	25,8 x 14,8	EC5 5,5 tex	EC5 2,8 tex	000	728
20	48	Plain	23,6 x 20,4	EC5 5,5 tex	EC5 2,8 tex	501	00104
23	1030	Plain	26,0 x 15,0	EC5 5,5 tex	EC5 5,5 tex	000	792/1542*
24	1040/1100	Plain	23,6 x 20,0	PET 50 dtex	EC5 5,5 tex	000	1294
28	1270	Plain	23,6 x 25,6	EC5 5,5 tex	EC5 5,5 tex	000	1041
33	1030	Plain	23,6 x 10,0	EC5 11 tex	EC5 5,5 tex	000	771/2367*
35	1020	Plain	23,6 x 13,7	EC5 11 tex	EC5 5,5 tex	000	1070
40	1100	Plain	23,6 x 23,6	PET 50 dtex	EC5 11 tex	000	4518
50	1030	Plain	14,0 x 8,0	EC 7 22 tex	EC 7 22 tex	000	1838/4002*
96	1270	Plain	15,7 x 12,6	EC9 33 tex	EC9 33 tex	306	1674
107	965/1100	Plain	23,6 x 22,9	EC7 22 tex	EC7 22 tex	731 /643/306	2116/4391*
117	1030	Plain	8,7 x 8,0	EC9 68tex	EC9 68tex	731	10012
122	1050/1260	Plain	23,6 x 20,1	EC7 22 tex	EC9 34 tex	731	2165/4418*
167	1280	Plain	12 x 12	EC 9 68 Tex	EC 9 68 Tex	731	7630
195	1090	Plain	7,0 x 7,0	EC9 68 x 2 tex	EC9 68x2 tex	306	91117/13089*
235	1260	Plain	17,4 x 8	EC 9 68 Tex	EC 9 136 Tex	306	7637
320	1160	Plain	10 x 10	EC 9 136 Tex	EC 9 136 Tex	007	00854
412	1270	Plain	6,7 x 6,7	EC9 100 tex	EC9 100 tex	000	1527
436	1250	Lousine	5,5 x 6,3	EC 9 136 Tex	EC 9 68 Tex	506	3025

### Electronics

#### PCB - Fabrics - E-Glass

Weight (g/sqm)	Std width (in mm)	Weave	Construction	Warp	Weft	Finish	Style
26	1270	Plain	22,0 x 22,0	EC5 5,5 tex	EC5 5,5 tex	000	106
49	1270	Plain	23,6 x 18,5	EC5 11 tex	EC5 11 tex	306	1080
80	1270	Plain	23,7 x 22,2	EC 7 22 tex	EC5 11 tex	913	2113
203	1255	Plain	17,4 x 11,8	EC 9 68 tex	EC 9 68 tex	504/A386	7628

## Photovoltaic - Fabrics - E-Glass

Weight (g/sqm)	Std width (in mm)	Weave	Construction	Warp	Weft	Finish	Style
25	1100	Plain	22,0 x 22,0	EC5 5,5 tex	EC5 5,5 tex	731	2034/106*
53	380	Plain	23,7 x 23,7	EC5 11 tex	EC5 11 tex	000	1280
162	1020/1270	2x2 twill	11,8 x 11,5	EC9 68 tex	EC9 68 tex	506	917
391	1000	2x2 twill	6,0 x 6,7	EC9 68x5 tex	EC9 272 tex	506/048	92140/1989*

## Wind - Fabrics - E-Glass

Weight (g/sqm)	Std width (in mm)	Weave	Construction	Warp	Weft	Finish	Style
289	1000	2x2 twill	7 x 6,4	EC 9 68 Tex	EC 9 204 Tex	506	3063
391	1000	2x2 twill	6,0x6,7	EC9 68x5 tex	EC9 272 tex	506/048	92140/1989*

## Wind / Peel - Ply Fabrics - Polyamide

Weight (g/sqm)	Std width (in mm)	Weave	Construction	Warp	Weft	Finish	Style
82	1650	Plain	19x15	PA 66 235 dtex	PA 66 235 dtex	000	9280
95	1640 ***	Plain	19x19	PA 66 235 dtex	PA 66 235 dtex	POO**	90169

## Wind / Peel - Ply Fabrics - Polyester

Weight (g/sqm)	Std width (in mm)	Weave	Construction	Warp	Weft	Finish	Style
90	1000/1320	Plain	28 x 28	PET 144 dtex	PET 144 dtex	DPO	8115

\* When 2 styles, they can be produced either in France or in Germany.

\*\* Heat set + marking threads in red

\*\*\* Smaller widths possibilities by cutting

## Finish

000

001 / 004 /A386

037/731/306

045

504

913

643

## Description

Greige fabric

Heat cleaned

Silane finishes compatible epoxy

Silane compatible with every type of resin

Silane compatible with polyester and epoxy resins

Silane compatible with epoxy and phenolic resins / Wet out characteristics

For multilayer and bonding sheets applications / Wet out characteristics

## A DEDICATED RANGE FOR QUALITYWISE END PRODUCTS

Porcher Industries has developed a range of fabrics dedicated to be coated by customers.

There are two characteristics to be managed for success of end product.

Textile quality, namely regularity of the weave, no defect, especially for low grammages.

Quality is of paramount importance for this application as even the smallest weaving defect can be revealed by the coating.

The other characteristic is a

proposal for a specific finish which is a bonding agent. It will make easier the adhesion of subsequent coating layers.

Main application for coating fabrics is PTFE coating for end products used as conveyor belts for foodstuff industry.

But others polymers such as silicone or polyurethane are also coated on our fabric range.





## Fabrics - E-Glass

Weight (g/sqm)	Std width (mm)	Weave	Construction	Warp	Weft	Finish	Style
26	1270	Plain	22,0x22,0	EC5 5,5 tex	EC5 5,5 tex	000	106
48	965/1050/1180	Plain	23,6x18,5	EC5 11 tex	EC5 11 tex	000	1080/2037*
54	965/1120/1270	Plain	23,6x23,6	EC5 11 tex	EC5 11 tex	000	1280/5215*
83	1000	Plain	23,6 x 25,2	EC5 11 tex	EC5 5,5 tex	000	113
107	1070/1270/1550	Plain	23,6x22,9	EC7 22 tex	EC7 22 tex	000	2116/4391*
108	1050/1100	Plain	23,6x22,9	EC7 22x2 tex	EC7 22x2 tex	000	116/91106*
110	1220	Plain	15,7 x 16,5	EC6 33 tex	EC6 33 tex	000	1687
124	1270	Plain	23,6 x 20,4	EC5 11 tex	EC9 33 tex	000	1165
131	1245	Plain	39,4x16,5	EC5 11 tex	EC6 50 tex	000	1290
200	1050/1300/1550	Plain	16,5x12,6	EC7 22x3 tex	EC7 22x3 tex	000	128/91721*
204	1040	Plain	17,3 x 12,6	EC9 33 tex	EC9 33 tex	000	1528
206	1030/1550/2110	Plain	17,4 x11,8	EC9 68 tex	EC 9 68 tex	000	7628/92111*
288	1300	Plain	12,6 x 8,2	EC9 66 tex	EC9 66 tex	000	7641
290	1040/1550	Plain	12,6 x 8,3	EC 9 68 Tex	EC 9 68 Tex	001	141
296	1170/1370	Plain	11,0 x 10,2	EC9 66 tex	EC9 66 tex	000	7526
410	1000	Plain	7,8 x 7,0	EC9 134 tex	EC9 134 tex	000	1564
563	3200	8H satin	21,2 x 18,9	EC9 66 tex	EC9 66 tex	000	1583

## Technical applications

### Fabrics - E-Glass

Weight (g/sqm)	Std width (mm)	Weave	Construction	Warp	Weft	Finish	Style
100	1025	Plain	15,5x12,9	EC9 34 tex	EC9 34 tex	000	742
121	1680	Plain	11,8x11,5	EC9 34 tex	EC9 34 tex	000	3228
202	660/965	Plain	17,4x11,8	EC9 68 tex	EC 9 68 tex	E2O	7628
290	1060	Plain	12,6x8,3	EC9 136 tex	EC 9 136 tex	E2O	1142
403	1300/1550	Satin	19,2x9,7	EC9 136 tex	EC 9 136 tex	000	3772

Finish	Description
000	Greige fabric
E2O	Finish improving silicone coating

\*When 2 styles, they can be produced either in France or in Germany.

## FILTRATION

### TECHNICAL MEDIA FOR A SAFE ENVIRONMENT

Environmental regulations are becoming more and more stringent on gas emissions. Producers of carbon, asphalt, cement or refineries are amongst the targeted industrial processes pushed to be more effective at collecting particles.

Glass fabrics are the best option for operating temperatures between 150°C and 260°C. Pockets or sleeves made of glass fabrics filter the dust from the hot gas flowing through the fabric. The layers of hard dust accumulated on the surface are then removed using a high frequency process.

Efficient filtration and long lasting products are highly needed in mechanical and reverse air

cleaning installations. These requirements are neatly managed at Porcher industries through the appropriate choice of fiber, fabric construction and surface treatments.



## Hot Gas Filtration

### Fabrics

Weight (g/sqm)	Std width (in mm)	Weave	Construction	Warp	Weft	Finish	Style
283	1000	4H Satin	21,3x20,5	EC6 66 tex	EC6 66 tex		00421
310	1370/1980/2035	1x3 twill	21,3x11,8	ET6 99 1x0 + EC6 33 1x0	ET6 66 tex	580	42700
436	965/1370/2035	1x3 Twill	17,3x9,4	EC6 134 tex	ET6 66 tex	625	45400
512	1650	Double crowfoot satin	18,9x11,8	EC6 134 tex + ET6 134 tex	ET6 66 tex	651	00448
746	1650/1750/1830	Double Filling Face	18,9x15,7	EC6 66 tex	ET6 66 tex	658 659	47700

Finish	Description
580	Triple finish for non acidic conditions ( silicone, graphite, PTFE)
625	Acid resistant polymers , graphite and silicone oils
651	PTFE 10%

## Aluminium Filtration

### Fabrics

Weight (g/sqm)	Std width (in mm)	Weave	Construction	Warp	Weft	Finish	Style
275	1470	Leno	7,8x3,7	EC9 68tex x2	EC9 136tex x3	060	5175
300	1470	Plain	6,0x4,8	EC9 68 tex x4	EC9 68 tex x3	060,068	3718
346	1470	Plain	4,0x3,8	EC9 136tex x3	EC9 136tex x3	060	93010
440	1500	Satin	18,6x11,0	EC9 136 tex	EC9 136 tex	159	440

Finish	Description
060, 068, 159	Specific finishes for thermic resistance or for automatic machines for alu casting.

## RUBBER REINFORCEMENTS

### SPECIFIC MATERIALS FOR ENHANCING PERFORMANCES OF ELASTIC RUBBER

Hoses and pipes are used in various industrial applications such as fluid handling, crude oil transport and other types of chemicals.

The requirements on performance for fatigue resistance, temperature and pressure stability and controlled elongation are very high.

Porcher Industries developed dedicated products to reinforce hoses but also other rubber based products such as plugs, belts, sheets and help them to meet these performances during the lifecycle of the product.





## Hoses

### Rubber Coated Yarn

Count in dtex	Min. Tensile strength (daN)	Fiber	Twist (tpm)	Elongation at break (%)	"Hot air shrinkage (%)"	"Support type */ Package (kg)"	Style	Treatment
1100/2	15,5	PET	160Z	< 22	0,2	116 / 7	J70533	VP/SBR
1100/2x2	28	PET	270Z/160S	12	2,8	118 / 9	J70345	VP/SBR
1100/2x3	47	PET	150Z/95S	12,5	2,5	118 / 9,5	J70358	CR
1330/1	10,8	PVA	120Z	6,1	0,6	116 / 7,5	J70369	NBR/PVC
1330/1	11	PVA	120Z	6,9	0,6	116 / 5	J70387	CR
1330/1	11,8	PVA	120Z	6,9	0,6	116 / 7,5	J70446	VP/SBR
1880/1	14	Pa 66	90Z	< 25	2,5	116 / 5	J70347	NBR/PVC
1880/1x2	25	Pa 66	250Z/250S	26,5	2,8	116 / 5,2	J70335	VP/SBR
1880/1x2	27	Pa 66	160Z/100S	21	3,3	116 / 6,6	J70342	CR
1880/2x2	56	Pa 66	160Z/100S	21	2,9	118 / 8,5	J70336	CR
2000/1	16	PVA	120Z	5,3	0,5	116 / 7,5	J70368	NBR/PVC
2000/1	16,2	PVA	120Z	5,4	0,5	116 / 8	J70373	CR
2000/1	16,5	PVA	90Z	5,6	0,65	Kingspool / 2	J70585	CR
2000/1	17,5	PVA	120Z	6	0,55	116 / 8	J70538	VP/SBR
2000/2	32	PVA	90Z	6	0,5	116 / 7,5	J70407	CR
2000/2	33	PVA	90Z	6	0,5	116 / 8	J70526	VP/SBR
2000/2	34,8	PVA	90Z	6	0,6	116 / 8	J70578	CR
2000/3	53,5	PVA	90Z	< 6,65	0,5	116 / 6	J70434	VP/SBR
2000/4	64	PVA	60Z	< 8,4	0,6	118 / 8	J70391	SBR

## Hoses / Profiles

### Coated Yarns

Diameter (mm)	Min. Tensile strength (daN)	Fiber	Construction	Elongation at break (%)	Colour	Rubber application	Style
0,9	40	E-GLASS	EC13 272 Tex x 1 x 3	890	Colourless	Nitrile	EL42723
0,9	40	E-GLASS	EC13 272 Tex x 1 x 3	890	Black	Nitrile	EL42723
1	38	E-GLASS	EC13 272 Tex x 1 x 3	880	Colourless	Silicon	EL52723

\* Support type

116 Tube with interior diameter 94 mm length 290 mm

118 Tube with interior diameter 73 mm, length 290 mm

N means selvages not cut

C means selvages cut

GD : Square or rectangular mesh with offset warp

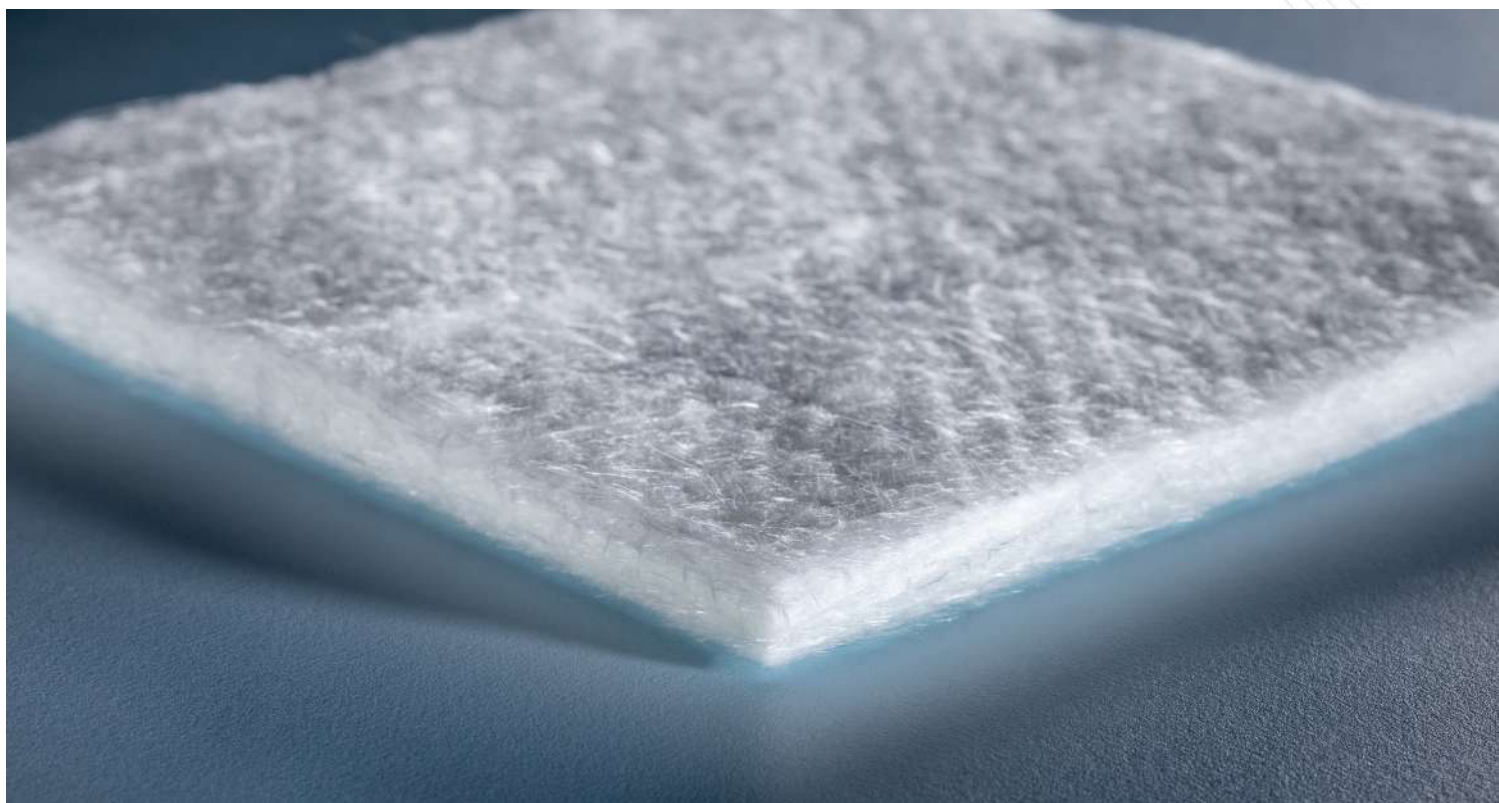
## THERMAL INSULATION

In industrial processes, temperature of fluids needs to be maintained at the same temperature during the transport.

Our various proposals in the range besides are based on mats made of glass and parts cut from the mats, glass fabrics and sewing threads to make up specific shapes.

In addition to bring thermal insulation by their nature, our products are flexible for fitting around pipes, boilers and other hot or cold equipment.

Parts are mainly used in the insulation for kitchen equipment



## Technical insulation

### Mats

Weight (g/sqm)	Std width (mm)	Thickness (mm)	Low / High Density	Density (Kg/m3)	Roll length(sqm)	Roll weight kg	Style
610	1524	4,8	Low	0,6	93	57	A04110 0600 000
1160	1524	13,5	Low	1,16	79	92	AA0581 0600 000
1221	1524	12,7	Low	1,22	86	105	A04113 0600 500
2014	1524	11,1	High	2,1	34,8	70	A04099 0600 000
2441	1524	25,4	High	2,44	23,2	57	A04114 0600 000

### Fabrics

Weight (g/m²)	Std width (mm)	Armure	Construction	Warp	Weft	Finish	Style
26	1040/1128	Plain	22x22	EC 5 5,5 tex	EC 5 5,5 tex	000	106
48	1560	Plain	23,6x17,7	EC5 11 tex	EC5 11 tex	000	1080
205	1060/1320/1510	Plain	17,4x11,2	EC9 68 tex	EC9 68 tex	746	10035
206	1270	Plain	17,4x11,8	EC9 68 tex	EC9 68 tex	000	7628
403	1300/1550	Satin	19,2x9,7	EC9 136 tex	EC9 136 tex	000	3772
490	1525	Plain	7,1x5,5	BGF ET9 230 tex	BGF ET9 230 tex	610A	11989

## Sewing threads

### Twisted yarns

Diameter (mm)	Tensile strength (daN)	Fiber	Design	Count (tex)	Finish	Style
1	≥ 11	S Glass	SC9 66x1x3 S300	200	No finish	EKS52849-00520
1	≥ 40	E Glass	EC7 22x3x6x3 Z150	1190	Polyurethane	EKS54007-00077
0,55	≥ 8	E Glass	EC7 22x3x3 Z430	200	Silicon	EKS52247-00380

Finish	Description
0	Greige fabric
746	Finish improving resistance to temperature
610A	rewettable lagging finish

## KRAFT

The replacement of plastic in packaging with more eco-friendly materials, in particular based on kraft paper, is becoming widespread in several industrial sectors.

The need to protect the goods by ensuring the good resistance of the packaging is all the more important.

The laid scrimms that we develop are specially designed for kraft paper-based packaging, whether for food or industrial markets.

We propose different types of designs and materials that offer excellent mechanical properties, tensile strength and puncture resistance.





## Scrims

Weight (g/sqm)	Std width (in mm)	Weave	Construction	Warp	Weft	Finish	Style
3,5	1320/1560/1740	GS	0,8x0,8	PET 76x2	PET 140	PVAC	D3934S039
3,5		GDX	0,8x(0,4x2)	PET 167	PET 140	PVOH	D3966S002
7	1520	GS	0,8x0,8	PET 167x2	PET 280	PVAC	D3743S039
7,5	1250/1550	GDX	1,1x(0,4x2)	Sil 34	Sil 34	PVOH	D4308S002
30	0140/0180	GDX	1,5x1,5	Modal Nm20	Modal Nm20	PVAC orange	D3253S070

# INDEX BY STYLE

## Fabric

Style	Page	Style	Page	Style	Page
01080	7	5284	9	1674	10
106	10	5285	9	1838	10
106	13	7500	9	1989	11
113	13	7526	13	2034	11
141	13	7544	9	2037	13
742	13	7587	9	2081	7
917	11	7628	9	2116	7
1080	9	7628	10	2116	10
1080	10	7628	13	2116	13
1142	13	7630	9	2165	10
1165	13	7637	9	2367	10
1280	11	7641	13	3025	10
1290	13	7725	9	3675	7
1528	13	8115	11	3698	7
1564	13	9202	9	3718	15
1583	13	9280	9	3884	7
1597	9	9280	11	4002	10
1687	13	13757	8	42700	15
1800	9	90169	11	4391	10
2005	8	94901	8	4391	13
2010	8	94933	8	440	15
2011	8	94940	8	4418	10
2015	8	00104	10	4518	10
2113	10	00128	7	45400	15
2116	9	00421	15	47700	15
3063	11	00448	15	5175	15
3105	8	00854	10	5215	13
3106	8	01659	7	728	10
3228	13	03784	7	7628	13
3305	8	10012	10	7630	10
3343	8	1041	10	7637	10
3679	8	106	11	771	10
3692	8	1070	10	792	10
3733	9	1080	13	91106	13
3750	8	116	13	91117	10
3758	8	128	13	91721	13
3772	13	1280	13	92111	13
3855	8	1290	7	92140	11
3872	8	1291	7	92140	11
4500	9	1294	10	93010	15
4510	9	13089	10	965	7
4527	8	1527	10		
4533	8	1542	10		
4750	8				

The list of products is not exhaustive.

It is intended to provide informations about the most standard products.

The information contained in this brochure is based on the present state of our knowledge. Values quoted are average values and are given for guidance purposes only. Any conclusions and recommendations are made without liability on our part. Buyers and users should make their own assessment of our products under their own conditions and requirements.

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## Yarn

Style	Page
J70533	17
J70345	17
J70358	17
J70369	17
J70387	17
J70446	17
J70347	17
J70335	17
J70342	17
J70336	17
J70368	17
J70373	17
J70585	17
J70538	17
J70407	17
J70526	17
J70578	17
J70434	17
J70391	17

Style	Page
EL42723	17
EL42723	17
EL52723	17
EKS52849-00520	19
EKS54007-00077	19
EKS52247-00380	19

## Scrim

Style	Page
D3942S010	7
D3945S072	7
D4102S002	7
D4138S010	7
M3942S010	7
D3742S018	7
D3943C018	7
D4152C018	7
M3949C018	7
D3934S039	21

Style	Page
D3966S002	21
D3743S039	21
D4308S002	21
D3253S070	21

## Mat

Style	Page
A04110 0600 000	19
AA0581 0600 000	19
A04113 0600 500	19
A04099 0600 000	19
A04114 0600 000	19

## INDEX BY WEIGHT - Fabrics

Weight (g/m <sup>2</sup> )	Std width (mm)	Armure	Construction	Warp	Weft	Style	Market	Page
19	1030	Plain	25,8 x 14,8	EC5 5,5 tex	EC5 2,8 tex	728	Energy	10
20	48	Plain	23,6 x 20,4	EC5 5,5 tex	EC5 2,8 tex	00104	Energy	10
23	1030	Plain	26,0 x 15,0	EC5 5,5 tex	EC5 5,5 tex	792/1542*	Energy	10
24	1040/1100	Plain	23,6 x 20,0	PET 50 dtex	EC5 5,5 tex	1294	Energy	10
25	1100	Plain	22,0 x 22,0	EC5 5,5 tex	EC5 5,5 tex	2034/106*	Energy	11
26	1270	Plain	22,0 x 22,0	EC5 5,5 tex	EC5 5,5 tex	106	Energy	10
26	1270	Plain	22,0x22,0	EC5 5,5 tex	EC5 5,5 tex	106	For coating	13
26	1040/1128	Plain	22x22	EC 5 5,5 tex	EC 5 5,5 tex	106	Thermal insulation	19
28	1270	Plain	23,6 x 25,6	EC5 5,5 tex	EC5 5,5 tex	1041	Energy	10
33	1030	Plain	23,6 x 10,0	EC5 11 tex	EC5 5,5 tex	771/2367*	Energy	10
35	1020	Plain	23,6 x 13,7	EC5 11 tex	EC5 5,5 tex	1070	Energy	10
40	1100	Plain	23,6 x 23,6	PET 50 dtex	EC5 11 tex	4518	Energy	10
48	965/1050/1180	Plain	23,6x18,5	EC5 11 tex	EC5 11 tex	1080/2037*	For coating	13
48	1560	Plain	23,6x17,7	EC5 11 tex	EC5 11 tex	1080	Thermal insulation	19
49	1270	Plain	23,6 x 18,5	EC5 11 tex	EC5 11 tex	01080	Adhesives	7
49	1270	Plain	23,6 x 18,5	EC5 11 tex	EC5 11 tex	1080	Composites	9
49	1270	Plain	23,6 x 18,5	EC5 11 tex	EC5 11 tex	1080	Energy	10
50	1030	Plain	14,0 x 8,0	EC 7 22 tex	EC 7 22 tex	1838/4002*	Energy	10
53	380	Plain	23,7 x 23,7	EC5 11 tex	EC5 11 tex	1280	Energy	11
54	1820	Leno	4,4 x 2,2	EC9 33 tex	EC9 66 tex	01659	Adhesives	7
54	965/1120/1270	Plain	23,6x23,6	EC5 11 tex	EC5 11 tex	1280/5215*	For coating	13

# INDEX BY WEIGHT - Fabrics

Weight (g/ m <sup>2</sup> )	Std width (mm)	Armure	Construction	Warp	Weft	Style	Market	Page
70	1050	Plain	23,6 x 18,8	EC5 11 tex	EC7 22 tex	2081	Adhesives	7
80	1270	Plain	23,7 x 22,2	EC 7 22 tex	EC5 11 tex	2113	Energy	10
82	90	Plain	19 x 15	PA 66 235 dtex	PA 66 235 dtex	9280	Composites	9
82	1650	Plain	19x15	PA 66 235 dtex	PA 66 235 dtex	9280	Energy	11
83	1000	Plain	23,6 x 25,2	EC5 11 tex	EC5 5,5 tex	113	For coating	13
90	800	Plain	19 x 19	PA 66 235 dtex	PA 66 235 dtex	9202	Composites	9
90	1000/1320	Plain	28 x 28	PET 144 dtex	PET 144 dtex	8115	Energy	11
95	1640 ***	Plain	19x19	PA 66 235 dtex	PA 66 235 dtex	90169	Energy	11
96	1270	Plain	15,7 x 12,6	EC9 33 tex	EC9 33 tex	1674	Energy	10
100	1025	Plain	15,5x12,9	EC9 34 tex	EC9 34 tex	742	For coating	13
105	965/1120	Plain	23,6 x 22,9	EC7 22 tex	EC7 22 tex	2116	Composites	9
107	1050/1270	Plain	23,6 x 22,9	EC7 22 tex	EC7 22 tex	2116	Adhesives	7
107	1370	Plain	23,6 x 22,9	EC5 11 x2 tex	EC7 22 tex	3698	Adhesives	7
107	965/1100	Plain	23,6 x 22,9	EC7 22 tex	EC7 22 tex	2116/4391*	Energy	10
107	1070/1270/1550	Plain	23,6x22,9	EC7 22 tex	EC7 22 tex	2116/4391*	For coating	13
108	1050/1100	Plain	23,6x22,9	EC7 22x2 tex	EC7 22x2 tex	116/91106*	For coating	13
110	1220	Plain	15,7 x 16,5	EC6 33 tex	EC6 33 tex	1687	For coating	13
117	1030	Plain	8,7 x 8,0	EC9 68tex	EC9 68tex	10012	Energy	10
121	1320	Plain	48,0 x 19,2	EC5 11 tex	EC9 34 tex	3675	Adhesives	7
121	1680	Plain	11,8x11,5	EC9 34 tex	EC9 34 tex	3228	For coating	13
122	1050/1260	Plain	23,6 x 20,1	EC7 22 tex	EC9 34 tex	2165/4418*	Energy	10
124	1270	Plain	23,6 x 20,4	EC5 11 tex	EC9 33 tex	1165	For coating	13
127	1100/1220	Plain	48,0 x 20,7	EC5 11 tex	EC9 34 tex	965	Adhesives	7
131	640/1250	Plain	39,5 x 16,5	EC5 11 tex	EC6 50 tex	1290	Adhesives	7
131	1245	Plain	39,4x16,5	EC5 11 tex	EC6 50 tex	1290	For coating	13
142	640/1250	Plain	39,5 x 15,6	EC5 11 tex	EC9 68 tex	1291	Adhesives	7
160	1000	Plain	4,0 x 4,0	3K HS	3K HS	3750	Composites	8
160	1000	2 x 2 Twill	4,0 x 4,0	3K HS	3K HS	4750	Composites	8
162	1020/1270	2x2 twill	11,8 x 11,5	EC9 68 tex	EC9 68 tex	917	Energy	11
167	1280	Plain	12 x 12	EC 9 68 Tex	EC 9 68 Tex	7630	Energy	10
170	1270	2x2 Twill	6,7 x 6,7	K49 1270 dtex	K49 1270 dtex	5284	Composites	9
170	1270	4H Satin	6,7 x 6,7	K49 1270 dtex	K49 1270 dtex	5285	Composites	9
170	1280/1670	Plain	11,8 x 11,8	EC9 68 tex	EC9 68 tex	7630	Composites	9
192	1000/1270	Plain	7,0 x 7,0	EC9 134 tex	EC9 134 tex	3733	Composites	9
193	1000 / 1270	Plain	1,2 x 1,2	12K HS	12K HS	2005	Composites	8
193	1000 / 1270	2 x 2 Twill	1,2 x 1,2	12K HS	12K HS	2015	Composites	8
195	1090	Plain	7,0 x 7,0	EC9 68 x 2 tex	EC9 68x2 tex	91117/13089*	Energy	10
196	1270	Plain	4,9 x 4,9	3K HS	3K HS	94901	Composites	8
200	1000 / 1250	Plain	5,0 x 5,0	3K HS	3K HS	3679	Composites	8
200	1000 / 1250	2 x 2 Twill	5,0 x 5,0	3K HS	3K HS	3692	Composites	8

Weight (g/ m²)	Std width (mm)	Armure	Construction	Warp	Weft	Style	Market	Page
200	1120/1570	Plain	16,5 x 12,6	EC7 22 tex	EC7 22 tex	00128	Adhesives	7
200	1050/1300/1550	Plain	16,5x12,6	EC7 22x3 tex	EC7 22x3 tex	128/91721*	For coating	13
202	965/1260	Plain	17,4 x 11,8	EC9 68 tex	EC9 68 tex	7628	Composites	9
202	660/965	Plain	17,4x11,8	EC9 68 tex	EC 9 68 tex	7628	For coating	13
203	1255	Plain	17,4 x 11,8	EC 9 68 tex	EC 9 68 tex	7628	Energy	10
204	1040	Plain	17,3 x 12,6	EC9 33 tex	EC9 33 tex	1528	For coating	13
205	1270	2x2 Twill	5,1x5,1	3K HS	3K HS	94933	Composites	8
205	1000	Plain	2,4 x 1,0	12K HS	Hot Melt glass yarn	4510	Composites	9
205	1060/1320/1510	Plain	17,4x11,2	EC9 68 tex	EC9 68 tex	10035	Thermal insulation	19
206	1030/1550/2110	Plain	17,4 x11,8	EC9 68 tex	EC 9 68 tex	7628/92111*	For coating	13
206	1270	Plain	17,4x11,8	EC9 68 tex	EC9 68 tex	7628	Thermal insulation	19
235	1050	Plain	17,4 x 8,1	EC9 68 tex	EC9 136 tex	7637	Composites	9
235	1260	Plain	17,4 x 8	EC 9 68 Tex	EC 9 136 Tex	7637	Energy	10
245	1000 / 1250	2 x 2 Twill	6,0 x 6,0	3K HS	3K HS	3105	Composites	8
275	1470	Leno	7,8x3,7	EC9 68tex x2	EC9 136tex x3	5175	Filtration	15
283	1000	4H Satin	21,3x20,5	EC6 66 tex	EC6 66 tex	00421	Filtration	15
285	1250	5 H Satin	7,0 x 7,0	3K HS	3K HS	3106	Composites	8
288	1300	Plain	12,6 x 8,2	EC9 66 tex	EC9 66 tex	7641	For coating	13
289	1000	2x2 twill	7 x 6,4	EC 9 68 Tex	EC 9 204 Tex	3063	Energy	11
290	1270	Plain	1,8 x 1,8	12K HS	12K HS	2010	Composites	8
290	1000/1270	2x2 Twill	21,2 x 7,0	EC9 66 tex	EC11 198 tex	7725	Composites	9
290	1040/1550	Plain	12,6 x 8,3	EC 9 68 Tex	EC 9 68 Tex	141	For coating	13
290	1060	Plain	12,6x8,3	EC9 136 tex	EC 9 136 tex	1142	For coating	13
296	1170/1370	Plain	11,0 x 10,2	EC9 66 tex	EC9 66 tex	7526	For coating	13
300	1000	Plain	3,7 x 1,0	12K HS	Hot Melt glass yarn	4500	Composites	9
300	1470	Plain	6,0x4,8	EC9 68 tex x4	EC9 68 tex x3	3718	Filtration	15
310	1370/1980/2035	1x3 twill	21,3x11,8	ET6 99 1x0 + EC6 33 1x0	ET6 66 tex	42700	Filtration	15
320	1160	Plain	10 x 10	EC 9 136 Tex	EC 9 136 Tex	00854	Energy	10
327	965	Plain	6,2 x 5,6	EC9 134x2	EC9 134x2	7500	Composites	9
328	1280	Plain	6,3 x 5,5	EC11 276 tex	EC11 276 tex	1800	Composites	9
346	1470	Plain	4,0x3,8	EC9 136tex x3	EC9 136tex x3	93010	Filtration	15
385	1250	2 x 2 Twill	2,4 x 2,4	12K HS	12K HS	2011	Composites	8
391	1000	2x2 twill	6,0 x6,7	EC9 68x5 tex	EC9 272 tex	92140/1989*	Energy	11
391	1000	2x2 twill	6,0x6,7	EC9 68x5 tex	EC9 272 tex	92140/1989*	Energy	11
403	1300/1550	Satin	19,2x9,7	EC9 136 tex	EC 9 136 tex	3772	For coating	13
403	1300/1550	Satin	19,2x9,7	EC9 136 tex	EC9 136 tex	3772	Thermal insulation	19
410	1000	Plain	7,8 x 7,0	EC9 134 tex	EC9 134 tex	1564	For coating	13
412	1270	Plain	6,7 x 6,7	EC9 100 tex	EC9 100 tex	1527	Energy	10
420	1250	2 x 2 Twill	2,6 x 2,6	12K HS	12K HS	3855	Composites	8
436	1250	Lousine	5,5 x 6,3	EC 9 136 Tex	EC 9 68 Tex	3025	Energy	10
436	965/1370/2035	1x3 Twill	17,3x9,4	EC6 134 tex	ET6 66 tex	45400	Filtration	15



# INDEX BY WEIGHT - Fabrics

Weight (g/ m <sup>2</sup> )	Std width (mm)	Armure	Construction	Warp	Weft	Style	Market	Page
440	1500	Satin	18,6x11,0	EC9 136 tex	EC9 136 tex	440	Filtration	15
470	1250	Plain	2,9 x 2,9	12K HS	12K HS	13757	Composites	8
470	1250	2 x 2 Twill	2,9 x 2,9	12K HS	12K HS	3758	Composites	8
490	1525	Plain	7,1x5,5	BGF ET9 230 tex	BGF ET9 230 tex	11989	Thermal insulation	19
512	1650	Double crowfoot satin	18,9x11,8	EC6 134 tex + ET6 134 tex	ET6 66 tex	00448	Filtration	15
563	3200	8H satin	21,2 x 18,9	EC9 66 tex	EC9 66 tex	1583	For coating	13
600	1250	2 x 2 Twill	3,7 x 3,7	12K HS	12K HS	3343	Composites	8
604	1000/1270	2 End Plain	11,0 x 5,5	EC9 134 tex	EC9 134 tex	7544	Composites	9
650	1250	2 x 2 Twill	4,0 x 4,0	12K HS	12K HS	3305	Composites	8
670	1270	2 x 2 Twill	4,1 x 4,1	12K HS	12K HS	94940	Composites	8
682	965	Mock Leno	15,4 x 8,3	EC9 134x2	EC9 134x2	7587	Composites	9
746	1650/1750/1830	Double Filling Face	18,9x15,7	EC6 66 tex	ET6 66 tex	47700	Filtration	15
830	1250	2 x 2 Twill	2,5 x 2,5	24K HS	24K HS	4533	Composites	8
849	1720	8H satin	9,2 x 7,9	EC9 134 tex	EC9 134 tex	03784	Adhesives	7
866	1520	8H satin	9,2 x 7,9	EC6 134 tex	EC6 134 tex	3884	Adhesives	7
1000	1250	2 x 2 Twill	2,9 x 2,9	24K HS	24K HS	4527	Composites	8
1120	965	Multilayer weave	11,4 x 11,8	EC9 134x4	EC9 134x4	1597	Composites	9
1350	1250	2 x 2 Twill	2,1 x 2,1	48K HS	48K HS	3872	Composites	8

# INDEX BY WEIGHT - Scrims

Weight (g/sqm)	Std width (in mm)	Pattern	Construction	Warp	Weft	Finish	Style	Market	Page
3,3	1060/1590	GDX	3 x (0,4x2)	PET 76 dtex	PET 80 dtex	PVOH	D4102S002	Adhesives	7
3,5	1320/1560/1740	GS	0,8x0,8	PET 76x2	PET 140	PVAC	D3934S039	Packaging	21
3,5		GDX	0,8x(0,4x2)	PET 167	PET 140	PVOH	D3966S002	Packaging	21
4	1020/1220	GD	3 x 1	PET 76 dtex	PET 80 dtex	PVAC/PVOH	D4138S010	Adhesives	7
4,8	1050/1220/1550	GD	3,3 x 1	PET 76 dtex	PET 80 dtex	EVA	D4152C018	Adhesives	7
6,3	1030/1060/1520	GD	4 x 2,1	PET 76 dtex	PET 80 dtex	PVAC/PVOH	D3942S010	Adhesives	7
6,3	1060	GD	4 x 2,1	PET 76 dtex	PET 80 dtex	PVAC/PVOH	M3942S010	Adhesives	7
6,5	1350	GD	3 x 3	PET 76 dtex	PET 80 dtex	EVA	D3943C018	Adhesives	7
6,7	1030/2060/2100	GD	4 x 1	PET 76 dtex	PET 80 dtex	EVA	M3949C018	Adhesives	7
7	1520	GS	0,8x0,8	PET 167x2	PET 280	PVAC	D3743S039	Packaging	21
7,5	1250/1550	GDX	1,1x(0,4x2)	Sil 34	Sil 34	PVOH	D4308S002	Packaging	21
15,5	1025	GD	8 x 2	PET 76 dtex	PET 80 dtex	PVC	D3945S072	Adhesives	7
30	0140/0180	GDX	1,5x1,5	Modal Nm20	Modal Nm20	PVAC orange	D3253S070	Packaging	21
54	1025	GD	7 x 3	EC9 34 tex	EC5 11 tex	EVA	D3742S018	Adhesives	7

## INDEX BY WEIGHT - Yarns

Count in dtex	Min. Tensile strength (daN)	Fiber	Twist (tpm)	Elongation at break (%)	Style	Treatment	Market	Page
1100/2	15,5	Pet	160Z	< 22	J70533	VP/SBR	Rubber reinforcements	17
1100/2x2	28	PET	270Z/160S	12	J70345	VP/SBR	Rubber reinforcements	17
1100/2x3	47	PET	150Z/95S	12,5	J70358	CR	Rubber reinforcements	17
1330/1	10,8	PVA	120Z	6,1	J70369	NBR/PVC	Rubber reinforcements	17
1330/1	11	PVA	120Z	6,9	J70387	CR	Rubber reinforcements	17
1330/1	11,8	PVA	120Z	6,9	J70446	VP/SBR	Rubber reinforcements	17
1880/1	14	Pa 66	90Z	< 25	J70347	NBR/PVC	Rubber reinforcements	17
1880/1x2	25	Pa 66	250Z/250S	26,5	J70335	VP/SBR	Rubber reinforcements	17
1880/1x2	27	Pa 66	160Z/100S	21	J70342	CR	Rubber reinforcements	17
1880/2x2	56	Pa 66	160Z/100S	21	J70336	CR	Rubber reinforcements	17
2000/1	16	PVA	120Z	5,3	J70368	NBR/PVC	Rubber reinforcements	17
2000/1	16,2	PVA	120Z	5,4	J70373	CR	Rubber reinforcements	17
2000/1	16,5	PVA	90Z	5,6	J70585	CR	Rubber reinforcements	17
2000/1	17,5	PVA	120Z	6	J70538	VP/SBR	Rubber reinforcements	17
2000/2	32	PVA	90Z	6	J70407	CR	Rubber reinforcements	17
2000/2	33	PVA	90Z	6	J70526	VP/SBR	Rubber reinforcements	17
2000/2	34,8	PVA	90Z	6	J70578	CR	Rubber reinforcements	17
2000/3	53,5	PVA	90Z	< 6,65	J70434	VP/SBR	Rubber reinforcements	17
2000/4	64	PVA	60Z	< 8,4	J70391	SBR	Rubber reinforcements	17

## INDEX BY WEIGHT - Mats

Weight (g/sqm)	Std width (mm)	Thickness (mm)	Low / High Density	Density (Kg/m3)	Roll length(sqm)	Roll weight kg	Style	Market	Page
610	1524	4,8	Low	0,6	93	57	A04110 0600 000	Technical insulation	19
1160	1524	13,5	Low	1,16	79	92	AA0581 0600 000	Technical insulation	19
1221	1524	12,7	Low	1,22	86	105	A04113 0600 500	Technical insulation	19
2014	1524	11,1	High	2,1	34,8	70	A04099 0600 000	Technical insulation	19
2441	1524	25,4	High	2,44	23,2	57	A04114 0600 000	Technical insulation	19



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