

## 6.1: Material specifications, permeable materials

### Material: Polyester

Trade name	Permeability measured at 120 Pa reference pressure	Weight of material	Equivalent filter class	Fire rating	Comments
Polyester 50	50 m <sup>3</sup> /m <sup>2</sup> /h	380 g/m <sup>2</sup>	F8	B2, M3, Ds2d1	4/4 twill weave
Polyester 150	150 m <sup>3</sup> /m <sup>2</sup> /h	310 g/m <sup>2</sup>	F7	B2, M3, Ds2d1	4/4 twill weave
Polyester 325	325 m <sup>3</sup> /m <sup>2</sup> /h	270 g/m <sup>2</sup>	F6	B2, M3, Ds2d1	4/4 twill weave
Polyester 550	550 m <sup>3</sup> /m <sup>2</sup> /h	280 g/m <sup>2</sup>	F5	B2, M3, Ds2d1	4/4 twill weave
Polyester 775	775 m <sup>3</sup> /m <sup>2</sup> /h	275 g/m <sup>2</sup>	F5	B2, M3, Ds2d1	4/4 twill weave
Polyester 1240	1240 m <sup>3</sup> /m <sup>2</sup> /h	295 g/m <sup>2</sup>	G4	B2, M3, Ds2d1	2/2 twill weave

### Material: Trevira CS

Trade name	Permeability measured at 120 Pa reference pressure	Weight of material	Equivalent filter class	Fire rating	Comments
Trevira CS 50	50 m <sup>3</sup> /m <sup>2</sup> /h	400 g/m <sup>2</sup>	F8	B1, M1, Bs1d0	4/4 twill weave
Trevira CS 150	150 m <sup>3</sup> /m <sup>2</sup> /h	330 g/m <sup>2</sup>	F7	B1, M1, Bs1d0	4/4 twill weave
Trevira CS 325	325 m <sup>3</sup> /m <sup>2</sup> /h	300 g/m <sup>2</sup>	F6	B1, M1, Bs1d0	4/4 twill weave
Trevira CS 550	550 m <sup>3</sup> /m <sup>2</sup> /h	290 g/m <sup>2</sup>	F5	B1, M1, Bs1d0	4/4 twill weave
Trevira CS 775	775 m <sup>3</sup> /m <sup>2</sup> /h	280 g/m <sup>2</sup>	F5	B1, M1, Bs1d0	4/4 twill weave
Trevira CS 1240	1240 m <sup>3</sup> /m <sup>2</sup> /h	340 g/m <sup>2</sup>	G4	B1, M1, Bs1d0	2/2 twill weave

### Material: DFC

Trade name	Permeability measured at 120 Pa reference pressure	Weight of material	Equivalent filter class	Fire rating	Comments
DFC 40	40 m <sup>3</sup> /m <sup>2</sup> /h	260 g/m <sup>2</sup>	F7	M1, Bs1d0	1/1 plain weave
DFC 325	325 m <sup>3</sup> /m <sup>2</sup> /h	250 g/m <sup>2</sup>	F5	M1, Bs1d0	1/1 plain weave

### Material: Antistatic

Trade name	Permeability measured at 120 Pa reference pressure	Weight of material	Equivalent filter class	Fire rating	Comments
Antistatic 325	325 m <sup>3</sup> /m <sup>2</sup> /h	315 g/m <sup>2</sup>	F6	B1, M1, Bs1d0	4/4 twill weave
Antistatic 550	550 m <sup>3</sup> /m <sup>2</sup> /h	290 g/m <sup>2</sup>	F5	B1, M1, Bs1d0	4/4 twill weave

### Material: Clean room material, ISO 7

Trade name	Permeability measured at 120 Pa reference pressure	Weight of material	Equivalent filter class	Fire rating	Comments
Clean room 50	50 m <sup>3</sup> /m <sup>2</sup> /h	Min. 300 g/m <sup>2</sup>	F6	B2, M3, Ds2d1	Multifilament
Clean room 325	325 m <sup>3</sup> /m <sup>2</sup> /h	Min. 160 g/m <sup>2</sup>	F5	B2, M3, Ds2d1	Multifilament
Clean room 775	775 m <sup>3</sup> /m <sup>2</sup> /h	Min. 275 g/m <sup>2</sup>	G4	B2, M3, Ds2d1	Multifilament

### Material: Nomex®

Trade name	Permeability measured at 120 Pa reference pressure	Weight of material	Equivalent filter class	Fire rating	Comments
Nomex 150	150 m <sup>3</sup> /m <sup>2</sup> /h	Min. 282 g/m <sup>2</sup>	F7	M1	Nomex Type 450
Nomex 325	325 m <sup>3</sup> /m <sup>2</sup> /h	Min. 230 g/m <sup>2</sup>	F6	M1	Nomex Type 450

### Available colours, permeable materials

Material	Standard colours	Custom colours	RAL Codes
Polyester		√	White RAL 9010/Grey RAL 9002/Blue RAL 5002
Trevira CS		√	White RAL 9010/Grey RAL 9002/Blue RAL 5002/Yellow RAL 1028
DFC 40 DFC 325		√	White RAL 9010/Grey RAL 9002/Blue RAL 5002/Yellow RAL 1028/ Red RAL 3020/ Black RAL 9005/Light Blue RAL Design 250 70 30/ Green RAL 6010/Beige RAL 7006
Antistatic		√	White RAL 9010 (It has a grey tint)
Clean room	White only	Not possible	White RAL 9010
Nomex®	White Only	Not possible	White RAL 9010

Please note: All our permeable materials are heat set. Do not accept materials that are not, as permeability will not remain constant after washing for a cheap non-fixed material.

Fire rating is according to the following standards: DIN4102, NF P 92-503-507, EN 13501.

# Material specifications, non-permeable materials



## Material: Glass fibre weave

Trade name	Weight of material	Fire rating	Comments
Glass fibre weave	466 g/m <sup>2</sup>	M0	Warp & weft weave, polyurethane coated. Non-flammable

## Material: Injekt material

Trade name	Weight of material	Fire rating	Comments
Injekt Light	300 g/m <sup>2</sup>	M1, SIS	Polyester weave, one side with soft PVC coating
Injekt B2	600 g/m <sup>2</sup>	B2	Polyester weave, both sides with soft PVC coating

## Available colours for non-permeable materials

Material	Standard colours	Custom colours	RAL Codes
Glass fibre weave			White RAL 9003/Grey RAL 9006
Injekt B2		*	Contact office for available colours
Injekt Light		*	White RAL 9010/Grey RAL 7035/Blue RAL 5002/Melon Yellow RAL 1028/Traffic Red RAL 3020/Traffic Black RAL 9017

## Material specifications, suspension material

Item	Material	Weight per metre or per unit	Comments
Flexrail	AlMgSi 0,5 F22 (6060 T6 alloy)	641g	10 micron coating
Wingrail	AlMgSi 0,5 F22 (6060 T6 alloy)	410g	10 micron coating
Threaded beam	AISI 304	178g	M6 thread. AISI 316 available at request
Standard wire	Galv. Steel w. PVC coating	30g	Ø3mm incl. coating. Tensile strength = 235kg (breaking load)
Stainless wire	AISI 316	60g	Ø3mm. Tensile strength = 685kg (breaking load)
Turn buckle	AISI 304	94g	Open hook one end, closed ring other end
Wire locknut	AISI 304	12g	-
Clamp	AISI 304	Varies with size, Ø500 = 80g	AISI 316 or textile clamps w. ratchet available at request

Please note: We are quite flexible when it comes to suspension components, special requests are welcome.

\* Please contact us for more information on colours available.

Fire rating is according to the following standards: DIN4102, NF P 92-503-507, EN 13501, SIS 65 00 82.