

6.1: Material specifications, permeable materials

Material: Polyester

Trade name	Permeability @ 120 Pa reference pressure	Weight of material	Equivalent filter class	Fire rating	Comments
Polyester 50	50 m ³ /m ² /h	400 g/m ²	F8	B2/NFPA90A-93/M3	Warp & weft type weave
Polyester 150	150 m ³ /m ² /h	330 g/m ²	F7	B2/NFPA90A-93/M3	Warp & weft type weave
Polyester 325	325 m ³ /m ² /h	300 g/m ²	F6	B2/NFPA90A-93/M3	Warp & weft type weave
Polyester 550	550 m ³ /m ² /h	290 g/m ²	F5	B2/NFPA90A-93/M3	Warp & weft type weave
Polyester 775	775 m ³ /m ² /h	280 g/m ²	F5	B2/NFPA90A-93/M3	Warp & weft type weave
Polyester 1240	1240 m ³ /m ² /h	305 g/m ²	G4	B2/NFPA90A-93/M3	Plain weave

Material: Trevira CS

Trade name	Permeability @ 120 Pa reference pressure	Weight of material	Equivalent filter class	Fire rating	Comments
Trevira CS 50	50 m ³ /m ² /h	400 g/m ²	F8	B1/NFPA90A-93/M1	Warp & weft type weave
Trevira CS 150	150 m ³ /m ² /h	330 g/m ²	F7	B1/NFPA90A-93/M1	Warp & weft type weave
Trevira CS 325	325 m ³ /m ² /h	300 g/m ²	F6	B1/NFPA90A-93/M1	Warp & weft type weave
Trevira CS 550	550 m ³ /m ² /h	290 g/m ²	F5	B1/NFPA90A-93/M1	Warp & weft type weave
Trevira CS 775	775 m ³ /m ² /h	280 g/m ²	F5	B1/NFPA90A-93/M1	Warp & weft type weave
Trevira CS 1240	1240 m ³ /m ² /h	305 g/m ²	G4	B1/NFPA90A-93/M1	Plain weave

Material: Clean room material, ISO 7 (class 10.000)

Trade name	Permeability @ 120 Pa reference pressure	Weight of material	Equivalent filter class	Fire rating	Comments
Clean room 50	50 m ³ /m ² /h	Min. 300 g/m ²	F6	B2/M3	Multifilament
Clean room 325	325 m ³ /m ² /h	Min. 300 g/m ²	F5	B2/M3	Multifilament
Clean room 775	775 m ³ /m ² /h	Min. 300 g/m ²	G4	B2/M3	Multifilament

Material: Nomex®

Trade name	Permeability @ 120 Pa reference pressure	Weight of material	Equivalent filter class	Fire rating	Comments
Nomex 150	150 m ³ /m ² /h	Min. 300 g/m ²	F6	B1/M1	2 x 2 twill weave
Nomex 325	325 m ³ /m ² /h	Min. 300 g/m ²	F5	B1/M1	2 x 2 twill weave
Nomex 660	660 m ³ /m ² /h	Min. 300 g/m ²	G4	B1/M1	2 x 2 twill weave

Available colors, permeable materials

Material	Standard colors	Custom colors	RAL Codes
Polyester		√	White RAL 9010/Grey RAL 9002/Blue RAL 5002
Trevira CS		√	White RAL 9010/Grey RAL 9002/Blue RAL 5002/Melon yellow RAL 1028
Clean room material	White only, color not possible		White RAL 9010
Nomex®	White only, color 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.

Material specifications, non-permeable materials

Material: Glass fibre weave

Trade name	Weight of material	Fire rating	Comments
Glass fibre weave	500 g/m ²	M0	Warp & weft weave, polyurethane coated. Non-flammable
Glass fibre weave (light)	250 g/m ²	M0	Warp & weft weave, polyurethane coated. Non-flammable

Material: Inject material

Trade name	Weight of material	Fire rating	Comments
Inject, B2	600 g/m ²	*	Polyester weave, both sides with soft PVC coating
Inject, B1	660 g/m ²	B1/M1	Polyester weave, both sides with soft PVC coating
Inject, M1, light	300 g/m ²	M1	Polyester weave, one side with soft PVC coating

Available colors for non-permeable materials

Material	Standard colors	Custom colors	RAL Codes
Glass fibre weave			White RAL 9010/Grey RAL 9007
Inject, B2		**	White RAL 9010/Grey RAL 7035/Blue RAL 5002/Melon yellow RAL 1023
Inject, B1		**	White RAL 9010/Grey RAL 7035/Blue RAL 5002/Melon yellow RAL 1023
Inject, M1, light		**	White RAL 9010/ Grey RAL 7035/Blue RAL 5002

Material specifications, suspension material

Item	Material	Weight per meter 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. Standard grade Müpro rail or Stainless Müpro rail are semi-standards, i.e. can be supplied with short notice, outlets then modified to suit this rail.

** Physical properties as B2/M3*

*** Large selection of sub-standard colors available at no extra cost. Expect one to two weeks additional delivery time for these colors. Please contact us for more information on colors available.*