Serge 1% - sand | sand (003003)

Technical info

FRONT

BACK

Widths		270 cm
Composition		Glasfaser 42% - PVC 58%
Openness factor	NBN EN 410	1.00%
Weight	NF EN 12127	620.00 g/m²
Thickness	ISO 5084	0.80 mm
Density	ISO 7211/2	WARP 20.00 yarn/cm WEFT 18.00 yarn/cm
Color fastness to artificial light	ISO 105 B02	>7
Color fastness to artificial weathering	ISO 105 B04	>7
Air permeability	ISO 9237	497.00l/m²/s
Roll length		30 m
Cleaning		Mit Seifenwasser
Confection		By heat, high frequency or ultrasonic welding
Fire classification		
└ Europe	UNE-EN 13501-1:2007	C-s3, d0
└ France	NF P92-503	M1
└ Italy	UNI 9177	Class 1
└ Germany	DIN 4102	B1
└ UK	BS 5867	C
└ USA	NFPA 701	FR

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Technical info

Tear strength	ISO 4674-1 methode 2		
└ Original		WARP 5.90 daN	WEFT 6.20 daN
└ After climatic chamber -30°C		WARP 6.00 daN	WEFT 6.20 daN
└ After climatic chamber +70°C		WARP 5.30 daN	WEFT 5.80 daN
Elongation up to break	ISO 1421		
└ Original		WARP 4.70 %	WEFT 3.80 %
└ After colour fastness to artificial weathering		WARP 4.70 %	WEFT 3.30 %
└ After climatic chamber -30°C		WARP 4.80 %	WEFT 3.90 %
└ After climatic chamber +70°C		WARP 5.00 %	WEFT 3.70 %
Breaking strength	ISO 1421		
└ Original		WARP 321.00 daN/5cm	WEFT 277.00 daN/5cm
└ After colour fastness to artificial weathering		WARP 225.00 daN/5cm	WEFT 216.00 daN/5cm
└ After climatic chamber -30°C		WARP 236.00 daN/5cm	WEFT 279.00 daN/5cm
└ After climatic chamber +70°C		WARP 251.00 daN/5cm	WEFT 266.00 daN/5cm

Front - Interior — Serge 1% - sand | sand (003003)

Visual properties	
Tv = Visual light transmittance	1.90%
Tuv = UV transmittance	1.40%

Solar energetic properties	
As = Solar absorptance	56.10%
Rs = Solar reflectance	40.60%
Ts = Solar transmittance	3.30%

Fabric + glazing: G-factor

	G	Te	Qi	SC
Glazing A	0.44	0.03	0.41	0.52
Glazing B	0.47	0.02	0.44	0.61
Glazing C	0.43	0.02	0.41	0.73
Glazing D	0.27	0.01	0.26	0.84

G = Total solar energy transmittance / Te = Direct solar transmittance / Qi = Secondary heat transfer factor / SC = Shading coefficient

Visual comfort		
Normal solar transmittance	Class 4	Very good effect
Glare control	Class 3	Good effect
Privacy night	Class 2	Moderate effect
Visual contact with the outside	Class 2	Moderate effect
Daylight utilisation	Class 0	Very little effect

Thermal comfort G-factor = Total solar energy transmittance

Glazing A	Glazing B	Glazing C	Glazing D
Class 1	Class 1	Class 1	Class 2

Thermal comfort Qi-factor = Secondary heat transfer factor

Glazing A	Glazing B	Glazing C	Glazing D
Class 0	Class 0	Class 0	Class 1

Class 0 = Very little effect / 1 = Little effect / 2 = Moderate effect / 3 = Good effect / 4 = Very good effect

Front - Exterior — Serge 1% - sand | sand (003003)

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Tuv = UV transmittance	1.40%

Solar energetic properties	
As = Solar absorptance	56.10%
Rs = Solar reflectance	40.60%
Ts = Solar transmittance	3.30%

Fabric + glazing: G-factor

	G	Te	Qi	SC
Glazing A	0.11	0.03	0.08	0.13
Glazing B	0.08	0.02	0.06	0.11
Glazing C	0.05	0.02	0.03	0.09
Glazing D	0.04	0.01	0.03	0.13

G = Total solar energy transmittance / Te = Direct solar transmittance / Qi = Secondary heat transfer factor / SC = Shading coefficient

Thermal comfort G-factor = Total solar energy transmittance

Glazing A	Glazing B	Glazing C	Glazing D
Class 3	Class 3	Class 4	Class 4

Thermal comfort Qi-factor = Secondary heat transfer factor

Glazing A	Glazing B	Glazing C	Glazing D
Class 3	Class 3	Class 3	Class 3

Class 0 = Very little effect / 1 = Little effect / 2 = Moderate effect / 3 = Good effect / 4 = Very good effect

Back - Interior — Serge 1% - sand | sand (003003)

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Back - Exterior — Serge 1% - sand | sand (003003)

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Thermal comfort G-factor = Total solar energy transmittance

Glazing A	Glazing B	Glazing C	Glazing D
Class 3	Class 4	Class 4	Class 4

Thermal comfort Qi-factor = Secondary heat transfer factor

Glazing A	Glazing B	Glazing C	Glazing D
Class 3	Class 3	Class 3	Class 3

Class 0 = Very little effect / 1 = Little effect / 2 = Moderate effect / 3 = Good effect / 4 = Very good effect