

Serge 1% - pearl grey | pearl grey
(007007)

Technical info

FRONT



BACK



Widths		270 cm 190 cm
Composition		Glassfibre 42% - PVC 58%
Openness factor	NBN EN 410	1.00%
Weight	NF EN 12127	620.00 g/m ²
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/m ² /s
Roll length		30 m
Cleaning		With soapy water
Confection		By heat, high frequency or ultrasonic welding
Fire classification		
└ Europe	UNE-EN 13501-1:2007	C-s3, d0
└ France	NF P92-503	M2
└ Italy	UNI 9177	Class 1
└ Germany	DIN 4102	B2
└ UK	BS 5867	C
└ USA	NFPA 701	FR

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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

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Visual properties	
Tv = Visual light transmittance	2.10%
Tuv = UV transmittance	1.60%

Solar energetic properties	
As = Solar absorptance	60.30%
Rs = Solar reflectance	36.90%
Ts = Solar transmittance	2.80%

Fabric + glazing: G-factor				
	G	Te	Qi	SC
Glazing A	0.46	0.02	0.43	0.54
Glazing B	0.48	0.02	0.46	0.64
Glazing C	0.44	0.02	0.42	0.74
Glazing D	0.27	0.01	0.26	0.85

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

Back - Interior

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

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Back - Exterior

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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

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