

Full technical product specifications (TPS) for this design

COLLECTION: FLANNEL

DESIGN: FLANNEL

BASIC INFORMATION

Brand	FibreGuard	Number of colour ways	45
Tariff item number	5407520000	MID	CNTONFOR1202TON
Country of origin	China	Characteristics	Flat Weave
Vertical repeat cm	Plain	Vertical repeat inch	Plain
Horizontal repeat cm	Plain	Horizontal repeat inch	Plain
Face in	Yes	Full roll diameter cm	22
Full roll diameter inch	8.66	Average piece length m	50
Minimum for special colour m	1000	Delivery time weeks special lab dip	2

CARE CODES



CARE AND USAGE

Use codes

Curtains	Yes	Curtains and draperies	Yes
Upholstery	Yes	Bed covering	Yes
Accessories	Yes		

ENVIRONMENTAL STANDARDS



STANDARD
100
0611045
Centexbel



Labels

There are no technical details for this section.

COLLECTION: FLANNEL

DESIGN: FLANNEL

FR STANDARDS

BS 5852 Source 0	Yes	BS 5852 Source 1 (with treatment)	Yes
CAL 117	Yes	EN 1021-2 (with treatment)	Yes
FMVSS 302	Yes	NFPA 260	Yes
NFPA 701	No		

FABRIC SPECIFICATIONS

Composition	100% Polyester	Average yarn number	17.19
Construction	33x22	Woven	Yes
Useable width cm	142	Useable width inch	55.91
Full width cm	144	Full width inch	56.69
Weight g/m²	320	Thickness mm	0.790
Colouring type	Piece dyed	Filament or staple	100% filament
Textured or non textured	100% textured		

Treatment

Brushed/emersed	Yes	Stain free technology	Yes
-----------------	-----	-----------------------	-----

Type of finish

Thermofixed	Yes
-------------	-----

Type of print or dye

Vat	Yes
-----	-----

Weaving type

Twill	Yes	Dobby	Yes
-------	-----	-------	-----

COLLECTION: FLANNEL

DESIGN: FLANNEL

MECHANICAL PERFORMANCE

Martindale rubs	50,000	Colour fastness to light	5
Wyzenbeek double rubs	100,000	Pilling	4
Brush pilling	4	Wyzenbeek wire screen double rubs	15,000
Wyzenbeek cotton duck double rubs	100,000	Wyzenbeek cotton duck type heavy upholstery	Yes
Wyzenbeek wire screen heavy duty	Yes		

Colour fastness to light – ISO 105-B02

Colour fastness to light	5
--------------------------	---

Colour fastness to weathering – ISO 105-B04:1994

There are no technical details for this section.

Colour fastness to water – ISO 105-E01

Colour fastness to water	5
--------------------------	---

Colour fastness to dry rub – ISO 105-X12

Colour fastness dry rub	4-5
-------------------------	-----

Colour fastness to wet rub – ISO 105-X12

Colour fastness wet rub	4-5
-------------------------	-----

Tearing strength – ISO 13937-3

Tearing strength warp N	60	Tearing strength weft N	99
-------------------------	----	-------------------------	----

Tensile strength – ISO 13934-1

Tensile strength warp N/5cm	1300	Tensile strength weft N/5cm	910
-----------------------------	------	-----------------------------	-----

Elongation – ISO 13934-1

Elongation warp %	63	Elongation weft %	40
-------------------	----	-------------------	----

Seam slippage – ISO 13936-2

Seam slippage warp mm	2	Seam slippage weft mm	2
-----------------------	---	-----------------------	---

Dimensional stability (indicated in %) – ISO 3759

Dimensional change warp	-0.17	Dimensional change warp after ironing with steam	0.00
Dimensional change warp after ironing without steam	0.00	Dimensional change weft	0.00
Dimensional change weft after ironing with steam	0.13	Dimensional change weft after ironing without steam	-0.53

COLLECTION: FLANNEL

DESIGN: FLANNEL

ACOUSTICS

Sound absorption performance for drapery

Weighted Sound Absorption Coefficient (α_w) – ISO 11654	0.55	Weighted Sound Absorption Coefficient (α_w) – Class – ISO 11654	D
Sound Absorption Average ($\bar{\alpha}$) – ASTM C423	0.66	Noise Reduction Coefficient (NRC) – ASTM C423	0.7

Sound absorption performance for upholstery

Weighted Sound Absorption Coefficient (α_w) – ISO 11654	0.65	Weighted Sound Absorption Coefficient (α_w) – Class – ISO 11654	C
Sound Absorption Average ($\bar{\alpha}$) – ASTM C423	0.62	Noise Reduction Coefficient (NRC) – ASTM C423	0.6

Sound transmission

Weighted Sound Reduction Index (RW) – ISO 717-1	8	Sound Transmission Class (STC) – ASTM E413	8
---	---	--	---

WASHABILITY

Resistance to domestic washing 30° C, indicated in % – ISO 6330

Dimensional change warp	-0.33	Dimensional change warp after ironing	-0.27
Dimensional change weft	-0.03	Dimensional change weft after ironing	0.00
Colour fastness ISO 105 C06	4-5		

Resistance to domestic washing 40° C, indicated in % – ISO 6330

There are no technical details for this section.

Resistance to domestic washing 60°C, indicated in % – ISO 6330

Dimensional change warp	-1.69	Dimensional change warp after ironing	-1.39
Dimensional change weft	-1.13	Dimensional change weft after ironing	-0.93
Colour fastness ISO 105 C06	4-5		

Resistance to domestic washing 74 C ISO 6330

Dimensional change warp	-3.00	Dimensional change warp after ironing	0.00
Dimensional change weft	-3.00	Dimensional change weft after ironing	0.00
Colour fastness ISO 105 C06	4		

Resistance to dry cleaning P, indicated in % – ISO 105 D01

Dimensional change warp	-1.06	Dimensional change warp after ironing	-0.53
Dimensional change weft	-0.73	Dimensional change weft after ironing	-0.53
Colour fastness ISO 105 D01	4-5		

COLLECTION: FLANNEL

DESIGN: FLANNEL

CONSTRUCTION

Yarn 1

Warp Composition	100% Polyester	Warp Is Filament	Yes
Warp Is Not High Tenacity	Yes	Warp Is Staple	No
Warp Sizes	480D	Warp Textured	Yes
Warp Threads per cm	33	Warp TPM	0

Yarn 2

Weft Composition	100% Polyester	Weft Is Filament	Yes
Weft Is Not High Tenacity	Yes	Weft Is Staple	No
Weft Sizes	480D	Weft Textured	Yes
Weft Threads per cm	22	Weft TPM	0

DOWNLOADS

-  [202501983-Acoustic_Flannel](#)
-  [Flannel - FibreGuard report](#)
-  [Z Flannel FMVSS 302](#)
-  [Flannel-Cal TB 117-2013-36474](#)
-  [Flannel BS 5852 Source 0](#)
-  [Flannel-FMVSS302-36474](#)
-  [Z Flannel NFPA 260](#)
-  [Flannel-NFPA 260 UFAC-36474](#)

