

COLLECTION: **LIBERATE**

DESIGN: **LIBERATE**

BASIC INFORMATION

Brand	FR-One	Number of colour ways	24
Tariff item number	5407520000	MID	TRTEXTRABUR
Country of origin	Turkey	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	24
Full roll diameter inch	9.45	Average piece length m	50
Minimum for special colour m	1000	Delivery time weeks special lab dip	2

CARE AND USAGE

Care code comments also washable at 74°C /160F meeting American hospital washing standard AATCC96

Care codes



Care code for bleaching

Do not bleach

Use codes

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

ENVIRONMENTAL STANDARDS

ISO 14001

Environmental
Management



STANDARD
100
0611045
Centexbel

PFA-free

Yes

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FR STANDARDS

AATCC 96 Complies	Yes	ASNZS 1530.2 Pass	Yes
ASNZS 1530.3 Pass	Yes	British BS 5867 part 2 type B	Yes
British BS 5867 part 2 type C	Yes	American BFD IX 1	Yes
American CAL 117	Yes	American CAL 19 section 1237.1	Yes
Canadian ULC S109 large flame	Yes	Canadian ULC S109 small flame	Yes
German B1 DIN 4102	Yes	European EN 13773	Yes
MVSS 302	Yes	IMO FTPC part 8 upholstery	Yes
IMO FTPC part 7 drapery	Yes	French NF P 92-503 507	M1
French NF P 92-504 507	M1	French NF P 92-505 507	M1
American NFPA 260	Yes	American NFPA 701 2010	Yes
NYNJ Port Authority - FAR 25.853 12 Pass	Yes	SN 198'898 Class 5.2	Yes

FABRIC SPECIFICATIONS

Composition	100% Polyester	Average yarn number	8.79
Construction	16x13	Woven	Yes
Useable width cm	138	Useable width inch	54.33
Full width cm	140	Full width inch	55.12
Weight g/m ²	330	Thickness mm	0.800
Colouring type	Piece dyed	Filament or staple	100% Filament
Textured or non textured	100% Textured		

Type of finish

Calender	Yes	Sanforized	Yes
Thermofixed	Yes		

Type of print or dye

Disperse	Yes
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Weaving type

Dobby	Yes
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MECHANICAL PERFORMANCE

AATCC 96 - 165°F / 74°C - Complies	Yes	Martindale rubs	50,000
Colour fastness to light	6	Wyzenbeek double rubs	50,000
Pilling	4	Brush pilling	4-5
Wyzenbeek wire screen double rubs	15,000	Wyzenbeek cotton duck double rubs	50,000
Wyzenbeek cotton duck type heavy upholstery	Yes	Acoustic absorption ISO 354 - ISO 11654	draped C/ flat D
Wyzenbeek wire screen heavy duty	Yes		

Colour fastness to light - ISO 105-B02

Colour fastness to light	6
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Colour fastness to water - ISO 105-E01

Colour fastness to water	5
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Colour fastness to dry rub - ISO 105-X12

Colour fastness dry rub	4-5
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Colour fastness to wet rub - ISO 105-X12

Colour fastness wet rub	4-5
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Colour fastness to wear - ISO 12947-2

Colour fastness to wear	4-5
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Tearing strength - ISO 13937-3

Tearing strength warp N	98	Tearing strength weft N	120
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Tensile strength - ISO 13934-1

Tensile strength warp N/5cm	1,900	Tensile strength weft N/5cm	1,500
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Elongation - ISO 13934-1

Elongation warp %	29,5	Elongation weft %	35
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Seam slippage - ISO 13936-2

Seam slippage warp mm	4	Seam slippage weft mm	3
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Dimensional stability (indicated in %) - ISO 3759

Dimensional change warp	0.07	Dimensional change weft	0.07
Dimensional change warp after ironing without steam	0.00	Dimensional change weft after ironing without steam	0.00
Dimensional change warp after ironing with steam	0.40	Dimensional change weft after ironing with steam	-0.53

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WASHABILITY

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

Dimensional change warp	-0.90	Dimensional change warp after ironing	-0.80
Dimensional change weft	-1.86	Dimensional change weft after ironing	2.12
Colour fastness ISO 105 C06	4-5		

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

Dimensional change warp	-2.06	Dimensional change warp after ironing	-1.99
Dimensional change weft	-3.00	Dimensional change weft after ironing	-2.89
Colour fastness ISO 105 C06	4-5		

Resistance to domestic washing 74° C, indicated in % - AATCC 96

Dimensional change warp	0.00	Dimensional change weft	0.00
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Resistance to dry cleaning P, indicated in % - ISO 105 D01

Dimensional change warp	-1.33	Dimensional change warp after ironing	-1.99
Dimensional change weft	-2.29	Dimensional change weft after ironing	-1.99
Colour fastness ISO 105 D01	4-5		

CONSTRUCTION

Yarn 1

Warp Composition	100% Polyester inherent FR	Warp Is Filament	Yes
Warp Is Not High Tenacity	Yes	Warp Is Textured	Yes
Warp Sizes	788Den	Warp Textured	Yes
Warp Threads per cm	16	Warp TPM	0

Yarn 2

Weft Composition	100% Polyester inherent FR	Weft Is Filament	Yes
Weft Is Not High Tenacity	Yes	Weft Is Textured	Yes
Weft Sizes	788Den	Weft Textured	Yes
Weft Threads per cm	13	Weft TPM	0

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DOWNLOADS / CERTIFICATES

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|---|--|
|  <u>Liberate American CAL 19</u> |  <u>FROne Sound absorption page</u> |
|  <u>Liberate American New York Port Authority FAR Part 25 853 12 Second Vertical Test</u> |  <u>Liberate European EN 1021</u> |
|  <u>Liberate Canadian CANULC S109</u> |  <u>Liberate Japanese JIS L1091</u> |
|  <u>Liberate French NF P 92 503 507 M1</u> |  <u>Liberate AustralianNew Zealand AS 1530 part 2</u> |
|  <u>Liberate AustralianNew Zealand AS 1530 part 3</u> |  <u>Liberate British BS 5867 part 2 type B</u> |
|  <u>Liberate Swiss SNV 198898</u> |  <u>Liberate American NFPA 701</u> |
|  <u>Liberate American FMVSS 302</u> |  <u>Liberate American NFPA 260 UFAC</u> |
|  <u>Liberate International Maritime Organisation FTP Code Fire test procedures Part 7</u> |  <u>Liberate American Hospital washing standard AATCC96</u> |
|  <u>Liberate American Boston BFD IX1</u> |  <u>Liberate German DIN 4102 B1</u> |
|  <u>Liberate Acoustic sound absorption measurement DRAPED</u> |  <u>Liberate European EN 13773</u> |
|  <u>Liberate British BS7176 BS5852 crib 5</u> |  <u>LiberateItalian UNI 9177 Classe Uno</u> |
|  <u>Liberate International Maritime Organisation 2010 FTP Code Fire test procedures Part 8</u> |  <u>Liberate British BS 5867 part 2 type C</u> |
|  <u>Liberate American CAL 117 SecE June 2013</u> | |

