

COLLECTION: ENERGIA

DESIGN: ENERGIA

BASIC INFORMATION

Brand	FibreGuard	Number of colour ways	26
Tariff item number	5407730000	MID	TRKET40IST
Country of origin	Turkey	Characteristics	Texture
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	4

CARE CODES



CARE AND USAGE

Use codes

Upholstery	Yes	Bed covering	Yes
Accessories	Yes		

ENVIRONMENTAL STANDARDS



STANDARD
100
2111231
Centexbel



Labels

GRS pre/post-consumer	Yes	Prop 65	Yes
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FR STANDARDS

BS 5852 Source 0	Yes	CAL 117	Yes
EN 1021-1	Yes	FMVSS 302	No
NFPA 260	Yes		

FABRIC SPECIFICATIONS

Composition	64% Recycled Polyester, 36% Recycled Polypropylene	Average yarn number	5.07
Construction	8x7	Woven	Yes
Embroidery width cm	0	Embroidery Width Inch	0
Useable width cm	147	Useable width inch	57.87
Full width cm	149	Full width inch	58.66
Weight g/m²	296	Thickness mm	1.050
Colouring type	Yarn dyed	Filament or staple	100% Filament
Textured or non textured	100% Texture		

Treatment

Stain free technology	Yes
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Type of finish

There are no technical details for this section.

Type of print or dye

Disperse	Yes	Vat	Yes
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Weaving type

Dobby	Yes
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MECHANICAL PERFORMANCE

Martindale rubs	80,000	Colour fastness to light	4–5
Wyzenbeek double rubs	53,800	Pilling	4
Brush pilling	3–4	Wyzenbeek wire screen double rubs	15,000
Wyzenbeek cotton duck double rubs	53,800	Wyzenbeek cotton duck type heavy upholstery	Yes
Wyzenbeek wire screen medium duty	Yes		

Colour fastness to light – ISO 105-B02

Colour fastness to light	4–5
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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
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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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Tearing strength – ISO 13937-3

Tearing strength warp N	190	Tearing strength weft N	56
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Tensile strength – ISO 13934-1

Tensile strength warp N/5cm	560	Tensile strength weft N/5cm	1800
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Elongation – ISO 13934-1

Elongation warp %	23,5	Elongation weft %	28,5
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Seam slippage – ISO 13936-2

Seam slippage warp mm	2	Seam slippage weft mm	2
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Dimensional stability (indicated in %) – ISO 3759

Dimensional change warp	0.00	Dimensional change warp after ironing with steam	0.80
Dimensional change warp after ironing without steam	0.20	Dimensional change weft	0.00
Dimensional change weft after ironing with steam	0.00	Dimensional change weft after ironing without steam	0.00

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ACOUSTICS

Sound absorption performance for drapery

Weighted Sound Absorption Coefficient (α) – ISO 11654	0.75	Weighted Sound Absorption Coefficient (α) – Class – ISO 11654	C
Sound Absorption Average ($\bar{\alpha}$) – ASTM C423	0.76	Noise Reduction Coefficient (NRC) – ASTM C423	0.85

Sound absorption performance for upholstery

Weighted Sound Absorption Coefficient (α) – ISO 11654	0.7	Weighted Sound Absorption Coefficient (α) – Class – ISO 11654	C
Sound Absorption Average ($\bar{\alpha}$) – ASTM C423	0.71	Noise Reduction Coefficient (NRC) – ASTM C423	0.7

Sound transmission

Weighted Sound Reduction Index (RW) – ISO 717-1	5	Sound Transmission Class (STC) – ASTM E413	5
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WASHABILITY

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

Dimensional change warp	-1.92	Dimensional change warp after ironing	-1.72
Dimensional change weft	-0.56	Dimensional change weft after ironing	-0.33
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	-3.74	Dimensional change warp after ironing	-3.51
Dimensional change weft	-0.79	Dimensional change weft after ironing	-0.59
Colour fastness ISO 105 C06	4-5		

Resistance to domestic washing 74 C ISO 6330

Dimensional change warp	-4.10	Dimensional change warp after ironing	0.00
Dimensional change weft	-1.00	Dimensional change weft after ironing	0.00
Colour fastness ISO 105 C06	4-5		

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

Dimensional change warp	-4.78	Dimensional change warp after ironing	-0.60
Dimensional change weft	-0.63	Dimensional change weft after ironing	-0.60
Colour fastness ISO 105 D01	4-5		

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CONSTRUCTION

Yarn 1

Warp Composition	100% Recycled Polypropylene	Warp Is Filament	Yes
Warp Is Not High Tenacity	Yes	Warp Is Staple	No
Warp Sizes	7,8	Warp Textured	Yes
Warp Threads per cm	8	Warp TPM	0

Yarn 2

Weft Composition	100% Recycled Polyester	Weft Is Filament	Yes
Weft Is Not High Tenacity	Yes	Weft Is Staple	No
Weft Sizes	5,5	Weft Textured	Yes
Weft Threads per cm	3.5	Weft TPM	0

Yarn 3

Weft Composition	100% Polyester	Weft Is Filament	Yes
Weft Is Not High Tenacity	Yes	Weft Is Staple	No
Weft Sizes	4,1	Weft Textured	Yes
Weft Threads per cm	3.5	Weft TPM	0

DOWNLOADS

[202600298-Acoustic-Energia](#)
[Energia EN 1021-1](#)
[Energia-Cal TB 117-2013-45947](#)
[Energia-NFPA 260 UFAC-45947](#)
