Specialized Technology Resources Laboratuar Hizmetleri A.Ş.

Delivering Confidence Worldwide

Gürsel mah. Yeşiltepe sok. No:22/3 ERG İş Mrk. Kat:6 80260 Kağıthane İstanbul Turkey
Phone: +90 212 321 19 60 • Fax: +90 212 321 19 72
E-mail: sales@str-turkiye.com • www.str-turkiye.com

TEST REPORT NO: TK10-07110

May.21,2010

Applicant : GENTUĞ TEKSTİL ÜRÜNLERİ SAN. VE TİC. A.Ş.
Address : SAVAŞ CAD.SÖĞÜT SOK.NO:1 KERESTECİLER SİTESİ MERTER İSTANBUL

Test Date : May.17 - 21,2010

Contact Person : MERT SANAY

Sample Description: /
Buyer: /
Color: NAVY

Submitted Fabric weight: 150 GSM

Care Instructions:

Sample Information :

Sample ID	Description	Equivalent Code / Color	Sample Group ID	Sample Group Desc
001	ONE SAMPLE OF WHITE KNITTED COATED FABRIC	WHITE/ MARINE/WHITE	001A	whole
			001B	marine
			001C	white

For and on behalf of
STR LABORATUAR HİZMETLERİ A.Ş.

CEM DİNÇEL - TECHNICAL MANAGER
(Softlines Testing)

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T E S T R E P O R T N O : TK10-07110 **May.21,2010**

TEST	Sample ID
	001
Dimensional Change after Washing	NC
Appearance Evaluation after Washing	NC
Colour Fastness to Washing	NC
Colour Fastness to Rubbing	NC
Colour Fastness to Artificial Light : Xenon Arc Fading Lamp Test	NC
Colour Fastness to Perspiration	NC
Colour Fastness to Water	NC
Colour Fastness to Chlorinated Water	NC
Colour Fastness to Phenolic Yellowing	NC
Bursting Strength - Pneumatic Method	NC
Abrasion Resistance - Specimen Breakdown	P

Note: **The test information is arrived on 14 / May / 2010**

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(01) Dimensional Change after Washing (BS EN ISO 5077:2008)

Washing method: BS EN ISO 6330:2001; procedure 1A with ECE Reference Detergent A+Sodium Perborate+TAED; washing machine : Wascator; ballast : 100% Knitted Polyester; drying method: tumble dry low

Sample			Direction	After 1 Cycle	Requirement		
					Min. (%)	Max. (%)	
001	WHITE	whole	Warp	-4.3	-	-	NC
			Weft	-1.8			

(02) Appearance Evaluation after Washing [STR In-House Method (for EU Market)]

Washing method: BS EN ISO 6330:2001; procedure 1A, 92℃ ECE reference detergent A + sodium perborate + TAED; wash machine: Wascator; 100% knitted polyester; drying method: tumble dry low

Sample	001	WHITE	whole		
		Result		Requirement	
After 1st Cycle	Color Change	4-5		-	NC
	Self Staining	-		-	
	Spirality	-		-	
	Pilling	4-5		-	
	Overall	Satisfactory		Satisfactory	

(03) Colour Fastness to Washing (BS EN ISO 105-C06:1997 with Corr. No. 1)

Test No. E2S at 95℃ with 25 steel balls and ECE re ference detergent B

Sample			Colour Change	Colour Staining - Multifibre DW						Requirement		
				Acetate	Cotton	Polyamide	Polyester	Acrylic	Wool	Colour Change	Colour Staining	
001	WHITE	marin e+whi te	4-5	4-5	4-5	4-5	4-5	4-5	4-5	-	-	NC

(04) Colour Fastness to Rubbing (BS EN ISO 105-X12:2002 with Corr. No. 1)

Sample			Oblique Direction		Requirement		
			Dry	Wet	Dry	Wet	
001	WHITE	marine	4	4-5	-	-	NC

(05) Colour Fastness to Artificial Light : Xenon Arc Fading Lamp Test (BS EN ISO 105-B02:1999 with Corr. No. 1 & 2 and Amd. No. 1)

Xenon arc fading lamp test

Sample			Result at Grade 4	Requirement	
001	WHITE	marine	4	-	NC
		white	3-4		NC

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T E S T R E P O R T N O : TK10-07110 **May.21,2010**

(06) Colour Fastness to Perspiration (BS EN ISO 105-E04:2009)

Sample			Solution	Colour Change	Colour Staining - Multifiber TV						Requirement		
					Tri-acetate	Cotton	Poly-amide	Poly-ester	Acrylic	Vis-cose	Colour Change	Colour Staining	
001	WHITE	marine+white	Acid	4-5	4-5	4-5	4-5	4-5	4-5	4-5	-	-	**NC**
			Alkaline	4-5	4-5	4-5	4-5	4-5	4-5	4-5			

(07) Colour Fastness to Water (BS EN ISO 105-E01:1996 with Corr. No. 1)

Sample			Colour Change	Colour Staining - Multifibre DW						Requirement		
				Acetate	Cotton	Polyamide	Polyester	Acrylic	Wool	Colour Change	Colour Staining	
001	WHITE	marine+white	4-5	4-5	4-5	4-5	4-5	4-5	4-5	-	-	**NC**

(08) Colour Fastness to Chlorinated Water (BS EN ISO 105-E03:1997)

Active Chlorine Concentration: 100 ppm

Sample			Colour Change	Requirement	
001	WHITE	marine	4-5	-	**NC**
		white	4-5		**NC**

(09) Colour Fastness to Phenolic Yellowing (BS EN ISO 105-X18:2007)

Sample			Colour Staining	Requirement	
001	WHITE	white	2	-	**NC**

(10) Bursting Strength - Pneumatic Method (BS EN ISO 13938-2:1999)

Test Area : 50 cm²

Sample			Bursting Strength (kPa)	Bursting Height (mm)	Requirement(kPa)	
001	WHITE	whole	358	32	-	**NC**

(11) Abrasion Resistance - Specimen Breakdown (BS EN ISO 12947-2:1999)

Abrasion Load : 9 kPa

Sample			Average Breakdown (number of rubs)	Colour change at 5000 rubs	Requirement		
					Breakdown	Colour change	
001	WHITE	marine	>20000	4-5	Min. 20000	-	**PASS**

******* End of Report *******