

TEST REPORT

Job No./Report No TR730761-RV1

Date:16 March 2015

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BENAŞ TEKSTİL SAN VE TİC LTD ŞTİ

DEMİRTAS O.S.B REYHAN SOK NO 1 OSMANGAZI BURSA

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To the attention of Murat Günoğlu

The following sample(s) was (were) submitted and identified by/on behalf of the client as:

Sample No.	Sample Description
A	Upholstery fabric in brown-blue

Client's reference No. : TR 730761-RV1
Buyer : Not Provided
Order No. : BNT 2928 HESTER -OSAKA
Model/Style No. : Not Provided
Article No. : Not Provided
Age Grade : Not Provided
Manufacturer : BENAS TEKSTİL
Country of Origin : Not Provided
Country of Destination : Not Provided
Shipment Date : Not Provided
Fiber Composition : Not Provided
Fabric Weight : Not Provided
End Use : Not Provided
Agency : Not Provided
Sample Receiving Date : 10 March 2015
Resubmit Date : 12 March 2015
Test Performing Period : 10 March 2015 ~ 12 March 2015 / 16 March 2015

Overall Conclusion : See Results

Test Results : Please refer to the next page(s).

Performed Test Summary: Selected test(s) as requested by client against Client's performance standard.

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Test Parameters	Result
Physical tests	A
Colour Fastness to Light	*
Tensile Strength	*
Seam Slippage-Opening	*
Colour Fastness to Rubbing	*
Abrasion Resistance	*
Pilling Resistance	*
Tear Strength	*
Fibre Composition	*
Fabric Weight	*

Remarks	:	M = Meets client's requirement
		F = Below client's requirement
		I = Inconclusive
		* = No specified requirement
Notes:	Conclusions on meet/fail are based on the test result from the actual sampling of the received sample(s).	
	Residual sample can be returned to client if requested.	

The test results relate to the tested items only.
 Test reports without SGS seal and authorized signatures are invalid.
 Reported results do not include uncertainties.
 In this Test Report tests marked (1) are included in the IAS Accreditation Scope of this Laboratory. Opinions and interpretations expressed herein are outside the scope of IAS Accreditation.

**IN THIS REVISED-1 REPORT, ABRASION RESISTANCE TEST WAS ADDED BY THE REQUEST OF APPLICANT.
 THIS REPORT SUPERSEDES OUR REPORT NO:730761 DATED:12.03.2015**

Issued in Istanbul
 Signed for and on behalf of
 SGS Supervise Gözetme Etüd Kontrol Servisleri A.Ş.

Füsun Nalbant
 Customer Representative

Evrım Erdem
 Customer Services Team Leader




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Abrasion Resistance¹			
Test Method:		BS EN ISO 12947-2:1999 Cor:2008	
Test Conditions:		Used Mass: 595±79(9 kpa)	
Sample ID&Colour	End Point		Requirement by the Client
(A)Brown-Blue	1.	>20000revs	No requirement
	2.	>20000revs	
	3.	>20000revs	
	Average	>20000revs	

Abrasion Resistance¹			
Test Method:		BS EN ISO 12947-2:1999 Cor:2008	
Test Conditions:		Used Mass: 595±79(9 kpa)	
Sample ID&Colour	End Point		Requirement by the Client
(A)Brown-Blue	1.	43000revs	No requirement
	2.	43000revs	
	3.	43000revs	
	Average	43000revs	

Fabric Weight¹			
Test Method:		ISO 3801:1977 Method 5	
Sample ID&Colour	Original		
(a1)	301,1 g/m2		No requirement

Pilling Resistance¹	
Test Method:	ISO 12945-2:2000

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No wash before test			
Test Conditions:	Number of Test Specimen:	3	
	Number of Observer :	2	
	The abradant used:	The same as the test fabric	
	The loading mass:	415 ±2 g	
Sample ID&Colour (a1)	Revs	Against as Received	Requirement by the Client
	2000	4-5	No requirement

Pilling Rating	
Grade 5	No change
Grade 4	Slight surface fuzzing and/or partially formed pills
Grade 3	Moderate surface fuzzing and/or moderate pilling. Pills of varying size and density partially covering the specimen surface.
Grade 2	Distinct fuzzing and/or distinct pilling. Pills of varying size and density covering a large proportion of the specimen surface.
Grade 1	Dense surface fuzzing and/or severe pilling. Pills of varying size and density covering the whole of the specimen surface.

Seam Slippage-Opening¹

Test Method: ISO 13936-2:2004

Seam Opening:

Sample ID&Colour	Warp	Weft	Requirement by the Client
(A)Brown-Blue	1,2 mm	1,4 mm	No requirement

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Tear Strength¹				
Test Method:		ISO 13937-2:2000		
Test Conditions:		Number of test specimen:	5	
		Number of test rejected and reason:	-	
		Mean values are calculated:	Electronic	
Sample ID&Colour		Warp	Weft	Requirement by the Client
(A)Brown-Blue				
	Max. Force	Average:97,4 N	Average:96,3 N	No requirement

Tensile Strength¹				
Test Method:		ISO 13934-1:2013		
Test Conditions:		Rate of extention(mm/min):	20	
		Gauge Length:	100 mm	
		Pretension:	-	
		State of test specimens:	Conditioned	
		Number of test specimen:	5	
		Number of test rejected and reason of this:	-	
Sample ID&Colour		Warp	Weft	Requirement by the Client
(a1)				
	Max. Force	Average:1999 N	Average:1199 N	No requirement
	Elongation at max force:	39,3%	25,3%	

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Colour Fastness to Light			
Test Method: ISO 105-B02:2014 (Modified method)			
Sample ID&Colour		Colour Change	Requirement by the Client
(a1)Brown-Blue	brown-camel design main	4	No requirement

Colour Fastness to Light			
Test Method: ISO 105-B02:2014 (Modified method)			
Sample ID&Colour		Colour Change	Requirement by the Client
(a2)Brown-Blue	grey design main	4	No requirement

Colour Fastness to Rubbing¹				
Test Method: ISO 105-X12:2001				
Used finger: 16 mm				
Percentage of soak for wet rub: 100 %				
Test Conditions: Temperature: 20 °C				
Humidity: 65 rh %				
Condition time of specimen&rubbing cloth: 4 hrs				
Assessment: Numerical grey scale rating				
(a1)Brown-Blue	Dry Staining	Original	Wet Staining	Requirement by the Client
Brown&grey main	4-5		4-5	No requirement

Remarks : Grey Scale Rating is based on the 5-step scale of 1 to 5, where 1 is bad and 5 is good.

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Fibre Composition¹

Test Method: ISO 1833

Sample ID&Colour	Result	Requirement by the Client
(a1)Brown-Blue	POLYESTER 100 %	No requirement



* * * End of Test Report * * *

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