



# JUGOINSPEKT BEOGRAD

DRUŠTVO ZA KONTROLU KVALITETA I KVANTITETA ROBE A.D.

Sektor za tekstil i kožu - Laboratorija za tekstil i kožu.  
11000 Beograd, ul Crnogorska br. 3 tel.: 011/2628 688, 2180 829, 2628 868 tekstil@jugoinspekt.com



LABORATORY REPORT n°

03548/2

Position no. 15001/15

Belgrade, 07.04.2015.

(place and date)

Client	MONOPOL d.o.o., Koče Kapetana 86, Niš		
Product name	Snickers		
Item/Article	M2001		
Order n°.	NL 0439/1	Number of samples:	1 par
Samples received on	02.04.2015.	Test completed on.	07.04.2015.

## TEST RESULTS

TESTED CHARACTERISTICS		RESULT	UNIT
<b>Composition</b>			
SRPS EN ISO 1833-21:2012	-Upper: Polyurethane	100	%
SRPS EN ISO 1833-11:2012	textile parts Polyester	100	
SRPS			
SRPS EN ISO 1833-11:2012	-Lining: Polyester	100	
SRPS			
SRPS			
SRPS EN ISO 1833-1:2012	-Sole: Rubber	100	
SRPS			
<b>Production process</b>		glued together	description
<b>Abrasion resistance of the lining - determination of specimen breakdown</b>			
SRPS EN ISO 12947-2 :2008	dry	above 100000	cycle
Load (12,0±0,3)kPa			
<b>UPPER</b>			
<b>Colour fastness to rubbing</b>		Colour: blue, yellow	grade
SRPS EN ISO 105-X12:2012	dry	staining – length/width	
Load: 9N Grading method: SRPS ISO 105-A022001/105-A03:2001 1-5 grade, 5 being the best grade	wet	staining – length/width	
<b>LINING</b>			
<b>Colour fastness to rubbing</b>		Colour: yellow, white	grade
SRPS EN ISO 105-X12:2012	dry	staining – length/width	
Load: 9N Grading method: SRPS ISO 105-A022001/105-A03:2001 1-5 grade, 5 being the best grade	wet	staining – length/width	
<b>Colour fastness to perspiration</b>			grade
SRPS EN ISO 105-E04:2012	dry	colour change	
Grading method: SRPS ISO 105-A022001/105-A03:2001 1-5 grade, 5 being the best grade		staining	
	wet	colour change	
		staining	

Chef of laboratory staff

Milenko Jovancic, dipl.ing.

JIP 020801-02-06



Department manager

Sasa Filipovic, dipl.oec.

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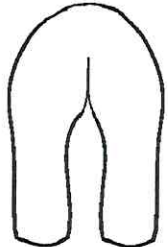


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## Flex resistance

Testing method	Test conditions	Number of flexing cycles	Type of damage	Place of damage and damage size
SATRA TM 92:1992	dry	500000	- no damage	
SATRA TM 77:1992	wet	not tested	/	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>INSOLE</p> </div> <div style="text-align: center;">  <p>UPPER</p> </div> </div> <p><b>Key:</b></p> <div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  <p>Place and size of initial water penetration</p> </div> <div style="text-align: center;">  <p>Total surface area affected by water expansion</p> </div> </div>

## Bonding strenght:

Testing method	Sample description	Test results		
		Sole-upper separation force (N)	Type of damage	Results (✓ - true; × - false)
SATRA TM 404:1992	<i>New sample that has not been exposed to artificial rapid aging.</i>	215,8	Damage to material Lack of adhesive Insufficient coalescence of adhesive films	✓ × ×

Note	
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Chef of laboratory staff  
Milenko Jovancic msc. technology



Department manager  
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