

KLEEN-TEX

POLAND

Protocol Nr:
TE 19-0691A-1

TESI 184928



Customer: KLEEN TEX Polska Sp. z o. o.
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Country: POLAND

Date of order delivery: 23.4.2019

Date of testing procedure: 24.4.-13.5.2019

Surroundings conditions: Temperature 19°C–20°C, Relative humidity 65%–66%

Method: Colour fastness to artificial light

Testing procedure:

ISO 105-B02:2014 - Colour fastness to artificial light: Xenon arc fading lamp test

Method: Colour fastness to rubbing

Testing procedure:

ISO 105-X12:2016 - Colour fastness to rubbing wet

Material: Logo Outdoor – 100 % Monofilament PA 6

5 carpet samples marked:

- 1) Black
- 2) Blue
- 3) Green
- 4) Beige
- 5) Bordeaux



FASTNESS TO ARTIFICIAL LIGHT: XENON ARC FADING LAMP TEST ISO 105-B02:2014 Method 2	
Sample	Light Exposure 32/168/336 hrs Rating blue scale
Black	>7
Blue	>7
Green	6
Beige	5
Bordeau	7
Xenotest type:	Xenotest Alpha +
Filtration system:	Xenochrome 320



FASTNESS TO RUBBING WET ISO 105-X12						
WARP	Black		Blue		Green	
	Adjacent fabric CO	Staining	Adjacent fabric CO	Staining	Adjacent fabric CO	Staining
		4-5		4-5		4-5
WEFT	Black		Blue		Green	
	Adjacent fabric CO	Staining	Adjacent fabric CO	Staining	Adjacent fabric CO	Staining
		4-5		4-5		4-5



FASTNESS TO RUBBING WET ISO 105-X12				
WARP	Beige		Bordeau	
	Adjacent fabric CO	Staining	Adjacent fabric CO	Staining
		4-5		4-5
WEFT	Staining		Staining	
	Adjacent fabric CO	Staining	Adjacent fabric CO	Staining
		4-5		4-5

COMMENTS:

ISO 105-B02:2014

We used air cooled Xenon arc apparatus. Exposure condition was normal (exposure cycle A1). Test specimens were exposed in flip-flop mode.

ISO 105-X12:2016

We used rubbing device with cylinder rubbing finger 16 mm (downward force 9N). We performed wet rubbing. Percentage of soak for rubbing wet was 95% to 100%. Test specimen were conditioned 4 hours before testing procedure at temperature $(20 \pm 2)^\circ\text{C}$ and relative humidity $(65 \pm 4)\%$.

Stated results are related only to tested samples mentioned on page 2.

Protocol cannot be published in extract form without written approval of the Textile Laboratory.

This protocol replace a protocol 19-0691A issued on 13.5.2019.

Date of protocol approval: 23.5.2019
Executed by: Radka Fabianova
Approved by: Miroslava Langmaierova
Position: Head of accredited textile lab
Signature: 

End of protocol