

KOPG - 180g/m² 45/55 T/C

Territorial density	185 gsm
Composition	55% Pamut / 45% Polyester
Construction	419/209
Weave	2/1
Width	150 cm

Tests performed:

Test report No.: 01-01/49-2014 (E)

1. Raw material composition [MSZ 13560-2:2011 and Hungarian Order 25/2005 (IV. 29.) GKM Annex 5, 6]
2. Mass per unit area [MSZ EN 12127:1999]
3. Number of threads per unit length [MSZ EN 1049-2:1999]. Method: A. Measuring distance: 5 cm.
4. Weave of fabric.
5. Dimensional stability in washing and drying [MSZ EN ISO 5077:2008].
Number of test specimens: 2. Number of washing and drying cycles: 5.
Detergent: ECE 98. Ballast: polyester fabric.
Washing machine: Wascator FOM 71 CLS (Type A2).
Washing, drying: MSZ EN ISO 6330:2001+ MSZ EN ISO 6330:2000/A1:2009.
Washing: Procedure 2A (60°C). Drying: Procedure E (tumble dry, low temp.)
6. Tensile test [MSZ EN ISO 13934-1:2000].
Gauge length: 200 mm. Rate of extension: 100 mm/min. Pretension: 5 N.
Type of device used: INSTRON 3369.
Number of test specimens: 5 (warp direction) + 5 (weft direction).
7. Tear resistance [MSZ EN ISO 13937-2:2000].
Method of calculation: by electronic device.
Type of device used: INSTRON 3369.
Number of test specimens: 5 (warp direction) + 5 (weft direction).
8. Seam slippage [MSZ EN ISO 13936-2:2004].
Tensile load: 60 N. Type of device used: INSTRON 3369.
Number of test specimens: 5 (warp direction) + 5 (weft direction).
9. Abrasion resistance [MSZ 3496:2011, method A1].
Abrasive material: abrasive paper (P600). Load: 4,45 N.
Type of device used: Schiefer abrasion tester (Frazier Ltd.)



10. Abrasion resistance [MSZ 3496:2011, method A2].
 Abrasive material: woven fabric under test. Load: 17,8 N.
 Type of device used: Schiefer abrasion tester (Frazier Ltd.)
11. Abrasion resistance [MSZ EN ISO 12947 -2:2000]
 Pressure: 12 kPa. Type of device used: Martindale 403 (James H. Heal)
 Abradant: standard wool fabric.
 Breakdown: when two threads are completely broken
12. Fabric propensity to surface fuzzing and to pilling [MSZ EN ISO 12945-2:2001].
 Abrasive material: woven fabric under test. Load: 415 g.
 Number of test specimens: 3. Number of observers: 3.
 Type of device used: Martindale 403 (James H. Heal).

Notes:

- The test results relate only to the tested sample
- The testing laboratory is accredited by NAT. Accreditation number: NAT-1-1366/2012

Test Results

Test parameters	Test Results
Raw material composition	53,2% CO 46,8% PE
Mass per unit area (g/m ²)	190,6
Number of threads per unit length (per 10 cm) warp/weft	419/209
Weave	Twill 2/1 "S"
Dimensional stability ib washing and drying, 60°C (%)	
1*washed warp/weft	-3,1/-1,0
5*washed warp/weft	-4,3/-1,3
Breaking strenght (N) warp/weft direction	1369/630
Elongation (%) warp/weft direction	15,9/17,3
Tear resistance (N) - warp direction (accross weft)	37,3
- weft direction (across warp)	35,6
Seam slippage (mm)	
- warp slippage/weft slippage	1,8/1,5
Abrasion resistance (MSZ 3496:2011, A1) (revolutions)	1833
Abrasion resistance (MSZ 3496:2011, A2) (revolutions)	>22.500
Abrasion resistance (MSZ EN ISO 12947-2) (rubs)	34.670
Propensity to surface fuzzing and to pilling (grade)	
Rubs: 125 / 500 / 1000 / 2000 / 5000 / 7000	4-5/4/3-4/3/2-3

