



TESTING LABORATORY
Cejl 480/12, 602 00 Brno, Czech Republic

TEST REPORT

AZL 26/0233

CUSTOMER: PET HARDWARE
Grymovská 256/1a
750 02 Přerov

SAMPLE: Leather products
(according to the customer order) Sample list on page 2.

**CONDITIONS OF
APPLICATION OF THE TEST
REPORT:**

The laboratory is not responsible for information supplied by the customer that may affect the validity of test results.

Test Report contains results of the tests related to the submitted sample only. Sampling has been done by the customer. The Report may not be reproduced in any way other than as a complete set. Reproduction of certain parts of the Report is subject to approval of the test laboratory, which has issued it. All information about subcontracted tests results or unaccredited test methods is presented in text part of the test report. Unless otherwise stated, all tests were performed at the address, listed in the header.

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NUMBER OF PAGES:

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**DATE OF
ACCEPTANCE:**
11.02.2026

**DATE OF
EXAMINATION:**
16.02.-02.03.2026

**DATE OF
ISSUE:**
09.04.2026



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SAMPLE LIST

Article number	Description	Barcode
LL/3	Round Leather ø 3 mm, natural	8595109562037
LL/4	Round Leather ø 4 mm, natural	8595109562044
LL/5	Round Leather ø 5 mm, natural	8595109562051
LL/6	Round Leather ø 6 mm, natural	8595109562068
LL/7	Round Leather ø 7 mm, natural	8595109562075
BLC/3	Braided Leather Cord ø 3 mm, natural	8595109525575
BLC/4	Braided Leather Cord ø 4 mm, natural	8595109525599
BLC/5	Braided Leather Cord ø 5 mm, natural	8595109526480
FL/3x3	Flat Leather Cord 3 mm, natural	8595109503467
FL/4x4	Flat Leather Cord 4 mm, natural	8595109561856
FL/10x3	Flat Leather Cord 10 mm, natural	8595109557057
FL/10x4	Flat Leather Cord 10 mm, natural	8595109525148
FL/13x4	Leather Strap 13 mm, natural	8595109556418
FL/16x4	Leather Strap 16 mm, natural	8595109528958
FL/20x4	Leather Strap 20 mm, natural	8595109556432
FL/25x4	Leather Strap 25 mm, natural	8595109561030
FL/4x2.7	Flat Leather Cord 4 mm, natural	8595109524646
FL/40-1.4m	Leather Strap for Belts 40 mm, natural	8595109529092
LL/2 BROWN	Round Leather ø 2 mm, brown	8595109597664
LL/6 BROWN	Round Leather ø 6 mm, brown	8595109557279
BL/30x5 BROWN	Braided Leather Strap 30 mm, brown	8595109509711
PH/20x4 NATURAL	Leather Strap with Cowhide Hair 20 mm, natural	8595109509766
PH/25x4 BLACK	Leather Strap with Cowhide Hair 25 mm, black	8595109510625
PH/40x4 BLACK	Leather Strap with Cowhide Hair 40 mm, black	8595109510618
LL/8 BROWN	Round Leather ø 8 mm, brown	8595109597725





Determination of maximum force and elongation at maximum force

was performed according to ČSN EN ISO 13934-1 (Strip method)

- conditioning: temperature (20±2) °C; RH (65±4) %
- specimens state: conditioned
- gauge length used: 200 mm
- specimens' width: 2 mm, 3 mm, 4 mm, 5 mm, 6 mm, 7 mm, 8 mm, 10 mm, 13 mm, 16 mm, 20 mm, 25 mm, 30 mm, 40 mm
- rate of extension used: 100 mm.min⁻¹
- pretention applied: 10 N
- specimens tested: 5 each strap
- specimens rejected: 0

Results	longitudinal direction
LL/3 - Round Leather ø 3 mm, natural	
Arithmetic mean of the maximum force (N)	276,5
. coefficient of variation (%)	21,8
Arithmetic mean of the elongation at maximum force (%)	20,1
. coefficient of variation (%)	12,7
LL/4 - Round Leather ø 4 mm, natural	
Arithmetic mean of the maximum force (N)	527,2
. coefficient of variation (%)	14,3
Arithmetic mean of the elongation at maximum force (%)	21,5
. coefficient of variation (%)	7,5
LL/5 - Round Leather ø 5 mm, natural	
Arithmetic mean of the maximum force (N)	568,3
. coefficient of variation (%)	8,8
Arithmetic mean of the elongation at maximum force (%)	22,1
. coefficient of variation (%)	10,4
LL/6 - Round Leather ø 6 mm, natural	
Arithmetic mean of the maximum force (N)	1202,6
. coefficient of variation (%)	16,1
Arithmetic mean of the elongation at maximum force (%)	22,5
. coefficient of variation (%)	14,8
LL/7 - Round Leather ø 7 mm, natural	
Arithmetic mean of the maximum force (N)	1268,3
. coefficient of variation (%)	26,2
Arithmetic mean of the elongation at maximum force (%)	24,0
. coefficient of variation (%)	17,7





Results	longitudinal direction
BLC/3 - Braided Leather Cord ø 3 mm, natural	
Arithmetic mean of the maximum force (N)	171,9
. coefficient of variation (%)	12,5
Arithmetic mean of the elongation at maximum force (%)	16,7
. coefficient of variation (%)	9,3
BLC/4 - Braided Leather Cord ø 4 mm, natural	
Arithmetic mean of the maximum force (N)	287,4
. coefficient of variation (%)	22,1
Arithmetic mean of the elongation at maximum force (%)	32,0
. coefficient of variation (%)	11,1
BLC/5 - Braided Leather Cord ø 5 mm, natural	
Arithmetic mean of the maximum force (N)	318,2
. coefficient of variation (%)	8,6
Arithmetic mean of the elongation at maximum force (%)	35,0
. coefficient of variation (%)	13,2
FL/3x3 - Flat Leather Cord 3 mm, natural	
Arithmetic mean of the maximum force (N)	236,0
. coefficient of variation (%)	26,6
Arithmetic mean of the elongation at maximum force (%)	15,7
. coefficient of variation (%)	35,1
FL/4x4 - Flat Leather Cord 4 mm, natural	
Arithmetic mean of the maximum force (N)	498,9
. coefficient of variation (%)	4,9
Arithmetic mean of the elongation at maximum force (%)	22,1
. coefficient of variation (%)	12,9
FL/10x3 - Flat Leather Cord 10 mm, natural	
Arithmetic mean of the maximum force (N)	909,4
. coefficient of variation (%)	7,9
Arithmetic mean of the elongation at maximum force (%)	24,9
. coefficient of variation (%)	4,5
FL/10x4 - Flat Leather Cord 10 mm, natural	
Arithmetic mean of the maximum force (N)	1179,9
. coefficient of variation (%)	2,5
Arithmetic mean of the elongation at maximum force (%)	29,3
. coefficient of variation (%)	3,5






Results	longitudinal direction
FL/13x4 - Leather Strap 13 mm, natural	
Arithmetic mean of the maximum force (N)	1980,0
. coefficient of variation (%)	9,1
Arithmetic mean of the elongation at maximum force (%)	24,9
. coefficient of variation (%)	8,0
FL/16x4 - Leather Strap 16 mm, natural	
Arithmetic mean of the maximum force (N)	2165,4
. coefficient of variation (%)	18,1
Arithmetic mean of the elongation at maximum force (%)	25,9
. coefficient of variation (%)	10,0
FL/20x4 - Leather Strap 20 mm, natural	
Arithmetic mean of the maximum force (N)	3295,1
. coefficient of variation (%)	5,9
Arithmetic mean of the elongation at maximum force (%)	24,2
. coefficient of variation (%)	2,9
FL/25x4 - Leather Strap 25 mm, natural	
Arithmetic mean of the maximum force (N)	4412,8
. coefficient of variation (%)	10,0
Arithmetic mean of the elongation at maximum force (%)	29,7
. coefficient of variation (%)	8,1
FL/4x2.7 - Flat Leather Cord 4 mm, natural	
Arithmetic mean of the maximum force (N)	366,8
. coefficient of variation (%)	21,1
Arithmetic mean of the elongation at maximum force (%)	16,8
. coefficient of variation (%)	9,6
FL/40-1.4m - Leather Strap for Belts 40 mm, natural	
Arithmetic mean of the maximum force (N)	3539,6
. coefficient of variation (%)	7,6
Arithmetic mean of the elongation at maximum force (%)	23,1
. coefficient of variation (%)	11,3
LL/2 BROWN - Round Leather ø 2 mm, brown	
Arithmetic mean of the maximum force (N)	178,0
. coefficient of variation (%)	6,6
Arithmetic mean of the elongation at maximum force (%)	20,2
. coefficient of variation (%)	13,0





Results	longitudinal direction
LL/6 BROWN - Round Leather ø 6 mm, brown	
Arithmetic mean of the maximum force (N)	1181,7
. coefficient of variation (%)	18,4
Arithmetic mean of the elongation at maximum force (%)	27,7
. coefficient of variation (%)	20,2
BL/30x5 BROWN - Braided Leather Strap 30 mm, brown	
Arithmetic mean of the maximum force (N)	1076,4
. coefficient of variation (%)	7,1
Arithmetic mean of the elongation at maximum force (%)	29,5
. coefficient of variation (%)	6,8
PH/20x4 NATURAL - Leather Strap with Cowhide Hair 20 mm, natural	
Arithmetic mean of the maximum force (N)	842,2
. coefficient of variation (%)	7,8
Arithmetic mean of the elongation at maximum force (%)	43,4
. coefficient of variation (%)	16,6
PH/25x4 BLACK - Leather Strap with Cowhide Hair 25 mm, black	
Arithmetic mean of the maximum force (N)	1312,9
. coefficient of variation (%)	15,5
Arithmetic mean of the elongation at maximum force (%)	41,1
. coefficient of variation (%)	10,1
PH/40x4 BLACK - Leather Strap with Cowhide Hair 40 mm, black	
Arithmetic mean of the maximum force (N)	2640,4
. coefficient of variation (%)	12,0
Arithmetic mean of the elongation at maximum force (%)	32,1
. coefficient of variation (%)	11,4
LL/8 BROWN - Round Leather ø 8 mm, brown	
Arithmetic mean of the maximum force (N)	1920,8
. coefficient of variation (%)	7,1
Arithmetic mean of the elongation at maximum force (%)	26,6
. coefficient of variation (%)	6,6

Approved by:


 Markéta Hrubanová
 Head of Testing Laboratory

End of report

