



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

TESTING LABORATORY 1001
accredited according to ČSN EN ISO/IEC 17025:2018 by the Czech Accreditation Institute

TEST REPORT

AZL 24/1230

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

SAMPLE: **Webbings**
(according to the customer order) Sample list on page 2.

CONDITIONS OF APPLICATION OF THE TEST REPORT:

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SAMPLE LIST

Product code	Width	Thickness	Description
CW13/B/1.5	13 mm	1,5 mm	Waterproof webbing - black
CW16/B/1.5	16 mm	1,5 mm	Waterproof webbing - black
CW20/B/1.5	20 mm	1,5 mm	Waterproof webbing - black
CW25/B/1.5	25 mm	1,5 mm	Waterproof webbing - black
CW10/W	10 mm	2,5 mm	Waterproof webbing - white
CW13/NO	13 mm	2,5 mm	Waterproof webbing - neon orange
CW16/WI	16 mm	2,5 mm	Waterproof webbing - wine
CW20/APB	20 mm	2,5 mm	Waterproof webbing - apricot brandy
CW25/K	25 mm	2,5 mm	Waterproof webbing - kerosene
CW30/B	30 mm	2,5 mm	Waterproof webbing - black
CW40/B	40 mm	2,5 mm	Waterproof webbing - black
CW50/B	50 mm	2,5 mm	Waterproof webbing - black
CWD16/B	16 mm	2,5 mm	Bark waterproof webbing - black
CWD20/B	20 mm	2,5 mm	Bark waterproof webbing - black
CWD25/B	25 mm	2,5 mm	Bark waterproof webbing - black
CWH10/PG	10 mm	2,6 mm	Hexa waterproof webbing - pastel green
CWH13/SB	13 mm	2,6 mm	Hexa waterproof webbing - sky blue
CWH16/NO	16 mm	2,6 mm	Hexa waterproof webbing - neon orange
CWH20/G	20 mm	2,6 mm	Hexa waterproof webbing - olive
CWH25/VM	25 mm	2,6 mm	Hexa waterproof webbing - viva magenta
CWH30/B	30 mm	2,6 mm	Hexa waterproof webbing - black
CWH40/B	40 mm	2,6 mm	Hexa waterproof webbing - black
CWH50/B	50 mm	2,6 mm	Hexa waterproof webbing - black
SGW13/B	13 mm	7 mm	Waterproof webbing Super grip - black
SGW16/B	16 mm	7 mm	Waterproof webbing Super grip - black
SGW19/B	19 mm	7 mm	Waterproof webbing Super grip - black
CW20/BRINDLE			Waterproof webbing - pink/brindle
CW16/BRINDLE BL			Waterproof webbing - blue/brindle





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: 10 mm, 13 mm, 16 mm, 19 mm, 20 mm, 25 mm, 30 mm, 40 mm, 50 mm
- rate of extension used: 100 mm.min⁻¹
- pretention applied: 10 N (>500 g.m⁻²)
- specimens tested: 5 each strap
- specimens rejected: 0

Results	longitudinal direction
CW13/B/1.5 – waterproof webbing - black	
Arithmetic mean of the maximum force (N)	3100
. coefficient of variation (%)	1,2
Arithmetic mean of the elongation at maximum force (%)	19,0
. coefficient of variation (%)	0,6
CW16/B/1.5 – waterproof webbing - black	
Arithmetic mean of the maximum force (N)	3900
. coefficient of variation (%)	2,1
Arithmetic mean of the elongation at maximum force (%)	19,5
. coefficient of variation (%)	1,7
CW20/B/1.5 – waterproof webbing - black	
Arithmetic mean of the maximum force (N)	5700
. coefficient of variation (%)	1,0
Arithmetic mean of the elongation at maximum force (%)	20,5
. coefficient of variation (%)	1,5
CW25/B/1.5 – waterproof webbing - black	
Arithmetic mean of the maximum force (N)	4300
. coefficient of variation (%)	1,3
Arithmetic mean of the elongation at maximum force (%)	21,0
. coefficient of variation (%)	1,1
CW10/W – waterproof webbing - white	
Arithmetic mean of the maximum force (N)	1400
. coefficient of variation (%)	2,1
Arithmetic mean of the elongation at maximum force (%)	33,5
. coefficient of variation (%)	4,3





Results		longitudinal direction
CW13/NO – waterproof webbing neon orange		
Arithmetic mean of the maximum force (N)		1700
. coefficient of variation (%)		1,0
Arithmetic mean of the elongation at maximum force (%)		33,0
. coefficient of variation (%)		2,1
CW16/WI – waterproof webbing wine		
Arithmetic mean of the maximum force (N)		2200
. coefficient of variation (%)		0,8
Arithmetic mean of the elongation at maximum force (%)		38,0
. coefficient of variation (%)		1,3
CW20/APB – waterproof webbing apricot brandy		
Arithmetic mean of the maximum force (N)		2500
. coefficient of variation (%)		0,6
Arithmetic mean of the elongation at maximum force (%)		36,0
. coefficient of variation (%)		1,4
CW25/K – waterproof webbing kerosene		
Arithmetic mean of the maximum force (N)		3100
. coefficient of variation (%)		2,4
Arithmetic mean of the elongation at maximum force (%)		34,5
. coefficient of variation (%)		4,6
CW30/B – waterproof webbing black		
Arithmetic mean of the maximum force (N)		3700
. coefficient of variation (%)		2,3
Arithmetic mean of the elongation at maximum force (%)		35,0
. coefficient of variation (%)		6,3
CW40/B – waterproof webbing black		
Arithmetic mean of the maximum force (N)		5300
. coefficient of variation (%)		7,7
Arithmetic mean of the elongation at maximum force (%)		42,5
. coefficient of variation (%)		13,6
CW50/B – waterproof webbing black		
Arithmetic mean of the maximum force (N)		6700
. coefficient of variation (%)		2,3
Arithmetic mean of the elongation at maximum force (%)		45,0
. coefficient of variation (%)		5,9





Results	longitudinal direction
CWD16/B – bark waterproof webbing black	
Arithmetic mean of the maximum force (N)	3700
. coefficient of variation (%)	2,0
Arithmetic mean of the elongation at maximum force (%)	23,5
. coefficient of variation (%)	1,6
CWD20/B – bark waterproof webbing black	
Arithmetic mean of the maximum force (N)	5800
. coefficient of variation (%)	5,1
Arithmetic mean of the elongation at maximum force (%)	31,0
. coefficient of variation (%)	4,4
CWD25/B – bark waterproof webbing black	
Arithmetic mean of the maximum force (N)	7700
. coefficient of variation (%)	2,7
Arithmetic mean of the elongation at maximum force (%)	33,5
. coefficient of variation (%)	1,7
CWH10/PG – hexa waterproof webbing pastel green	
Arithmetic mean of the maximum force (N)	2400
. coefficient of variation (%)	1,3
Arithmetic mean of the elongation at maximum force (%)	21,5
. coefficient of variation (%)	1,4
CWH13/SB – hexa waterproof webbing sky blue	
Arithmetic mean of the maximum force (N)	1900
. coefficient of variation (%)	0,6
Arithmetic mean of the elongation at maximum force (%)	23,0
. coefficient of variation (%)	2,4
CWH16/NO – hexa waterproof webbing neon orange	
Arithmetic mean of the maximum force (N)	3800
. coefficient of variation (%)	0,9
Arithmetic mean of the elongation at maximum force (%)	23,5
. coefficient of variation (%)	2,1
CWH20/G – hexa waterproof webbing olive	
Arithmetic mean of the maximum force (N)	4500
. coefficient of variation (%)	2,2
Arithmetic mean of the elongation at maximum force (%)	25,5
. coefficient of variation (%)	3,6





Results	longitudinal direction
CWH25/VM – hexa waterproof webbing viva magenta	
Arithmetic mean of the maximum force (N)	6300
. coefficient of variation (%)	2,4
Arithmetic mean of the elongation at maximum force (%)	26,5
. coefficient of variation (%)	3,1
CWH30/B – hexa waterproof webbing black	
Arithmetic mean of the maximum force (N)	7400
. coefficient of variation (%)	1,3
Arithmetic mean of the elongation at maximum force (%)	27,5
. coefficient of variation (%)	2,9
CWH40/B – hexa waterproof webbing black	
Arithmetic mean of the maximum force (N)	12000
. coefficient of variation (%)	4,0
Arithmetic mean of the elongation at maximum force (%)	27,5
. coefficient of variation (%)	1,3
CWH50/B – hexa waterproof webbing black	
Arithmetic mean of the maximum force (N)	12300
. coefficient of variation (%)	1,7
Arithmetic mean of the elongation at maximum force (%)	29,5
. coefficient of variation (%)	1,7
SGW13/B – waterproof webbing super grip black	
Arithmetic mean of the maximum force (N)	1200
. coefficient of variation (%)	4,5
Arithmetic mean of the elongation at maximum force (%)	40,0
. coefficient of variation (%)	3,1
SGW16/B – waterproof webbing super grip black	
Arithmetic mean of the maximum force (N)	4100
. coefficient of variation (%)	1,6
Arithmetic mean of the elongation at maximum force (%)	33,5
. coefficient of variation (%)	2,5
SGW19/B – waterproof webbing super grip black	
Arithmetic mean of the maximum force (N)	5400
. coefficient of variation (%)	1,2
Arithmetic mean of the elongation at maximum force (%)	35,5
. coefficient of variation (%)	1,7





Results		longitudinal direction
CW20/BRINDLE – waterproof webbing pink/brindle		
Arithmetic mean of the maximum force (N)		2700
. coefficient of variation (%)		1,2
Arithmetic mean of the elongation at maximum force (%)		36,5
. coefficient of variation (%)		0,9
CW16/BRINDLE BL – waterproof webbing blue/brindle		
Arithmetic mean of the maximum force (N)		2300
. coefficient of variation (%)		0,7
Arithmetic mean of the elongation at maximum force (%)		36,5
. coefficient of variation (%)		1,0

Approved by:


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End of report

