

MUSHROOM & VELOURS FASTENERS

Technical data sheet
Page E-004
Date 01/07/2001

Mushroom tape

ÖKO-TEX Standard 100 class II - approval nr 60615402

Construction

woven with sewing edges

Composition

70 % polyester + 30% polypropylene + coating

Standard widths

12 - 16 - 20 - 25 mm:		+/- 1,0 mm
30 - 38 - 50 mm:		+/- 1,5 mm
45 - 90 mm:	see quality: mushroom q	+/- 1,5 mm
100 - 125 - 150 mm:	see quality: mushroom x	+/- 5,0 mm
1.400 mm and slit:	see quality: mushroom w	

Velours tape

ÖKO-TEX Standard 100 class II - approval nr 60615402

Construction

knitted without sewing edges (2.050 mm wide)

Composition

100 % polyamide + coating

Standard widths

12 - 16 - 20 - 25 - 30 - 38 - 50 mm : +/- 1,0 mm
all widths between 12 & 2.000 mm are possible
other types of velours + their widths : see "weight"

Special versions

mushroom & velours st. can be delivered with the following backings:
- adhesives: A - ATA - SAO - SA - SA3 - SA4 - DA
- adhesive strip (AS)
- back-to-back (BTB)
see appropriate technical data sheets

Packing

F : flanged 25 m rolls
P : packs of 4 rolls of 25 m each, without flanges, shrinkwrapped
SP : super packs of 25 m rolls without flanges
D : dispenser cartons with rolls of 100 m
G : giants with various roll lengths (up to 30 mm only)
B : bobbins with various roll lengths (up to 30 mm only)
S : spools with various roll lengths (up to 20 mm only)
specials: various packings for industry & commerce

Technical information

Selvages

mushroom: hotcut - velours st.: cold cut (cannot fray due to knitted construction)

Colours

mushroom: 20 colours - velours st.: 22 colours (without AZO-dyestuffs)

Thickness fastener

2 mm (+/- 0,5 mm) measured after closing with a force of 20N/cm²
height separate tape : mushroom: 1,4 mm (+/- 0,2 mm)
velours st.: 1,6 mm (+/- 0,3 mm)

Weight

mushroom (tape)	300 gr/m2	(+/- 30 gr/m2)	tape only
mushroom (wide)	250 gr/m2	(+/- 25 gr/m2)	1.400 mm
velours standard	250 gr/m2	(+/- 25 gr/m2)	2.050 mm
velours economy	200 gr/m2	(+/- 20 gr/m2)	2.050 mm
velours light	105 gr/m2	(+/- 10 gr/m2)	1.620 mm
vel. brushed nylon	75 gr/m2	(+/- 10 gr/m2)	1.450 mm

Fraying

mushr.: hot cut edges cannot fray velour: no fraying

Resistance to chemicals & UV

resistant against : * alkalines & diluted acids at low temperature

Important: if exposure to UV-light is high: use polyester fastener - see data sheet E-006

Resistance to temperatures

from - 60°C to + 150°C
melting points: *PES: +/-260°C *PP: +/-164°C
softening points: *PES: +/-78°C *PP: +/-120°C

continuation on p. 2/2

Technical information

Colour fastness	EN 20105-B02	light	5	on a scale of 8		
	DIN/ISO 105 E01	water & seawater	4	"	"	5
	EN 20150-C.03	washing 40°C	4	"	"	5
	DIN/ISO 105 E04	sweat	4	"	"	5
	DIN/ISO 105 X12	rubbing wet & dry	4	"	"	5
	DIN/ISO 105 X11	ironing	4	"	"	5
velours only:	DIN/ISO 105 D01	dry-cleaning	4	"	"	5

Shrinkage + waterabsorbtion

after washing 40°C

shrinkage	lengthwise	widthwise
mushroom	max. 3 %	max. 2 %
velours st.	max. 3 %	max. 2 %
water absorbtion	max. 0,5 % (conditioned room) & 10 % (water 20°C)	

Important: if often in contact with humidity/water: use polyester fastener - see data sheet E-006

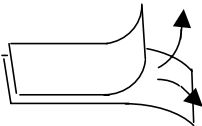
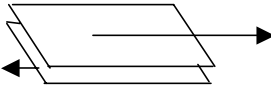
Cleaning instructions

cleaning with fastener in closed position: to protect fastener and washing



Fastener values

av. values (tested at 20°C & 50% humidity) - min. values between brackets

openings & closings	peel strength	shear strength	mushroom	velours stand.
			breaking strength (lengthwise)	
after 1 opening & closing	1,3 (1,0) N/cm width	20,0 (11,0) N/cm2	min. 150 N/cm	min. 100 N/cm
after 100 openings & closings	0,50 N/cm width	5,50 N/cm2	stretch before breaking (lengthwise)	
			min. 35 %	min. 40 %

- * average of 5 tests in both directions: differences (mainly in peel) appear between both directions (max. up to 8x)
- * original strenghts increase with cold: -20°C = +25% (+/-)
- * if used over curves: up to 2/3 times original shear strenght

Tests by user & guarantees

The information above only serves as a general guideline.
We advise any user to determine the suitability of the intended application through tests performed by himself.

All information, technical advice, recommendations & descriptive material on this product are based upon tests which are generally reliable, although we cannot fully guarantee the accuracy of these tests. The buyer, who is a professional user, will be bound to carry out all tests himself, in order to verify whether the goods are suited and can be used safely for the intended purpose. The only obligation of the seller may consist in replacing the goods of which the imperfection has been proven, insofar as the seller can be held liable for the imperfection under the present conditions. The buyer will protect and hold harmless the seller against any claim whatsoever which could be made by the private enduser on the account of his product liability. In the same way, the buyer will safeguard the seller for each claim made by third parties, exceeding the limitation of liability as stipulated herewith. In addition, we serve ourselves the right to subject the products to technical changes without prior notice. Please make sure that you have the latest version of the technical data sheet.

CAPATEX LTD
127 NORTHGATE
NEW BASFORD
NOTTINGHAM
NG7 7FZ

Tel. +44 (0) 115 9786 111
Fax + 44 (0) 115 9786 222
www.capatex.com
www.hook-n-loop-fasteners.com
hook&loop@capatex.com