

HOOK & LOOP FASTENERS polyester		Technical data sheet	
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		Date	Sept/2009
<b>Hook tape polyester</b>		<b>ÖKO-TEX Standard 100 class II - approval nr 60414302</b>	
<b>construction composition</b>	woven with sewing edges base tape and monofilament hooks in 100% polyester + coating		
<b>Loop tape polyester</b>		<b>ÖKO-TEX Standard 100 class II - approval nr 60414302</b>	
<b>construction composition</b>	woven with sewing edges base tape and loops in 100% polyester + coating		
<b>Special versions</b>	hook & loop polyester can be delivered with the following backings:		
<b>adhesive-backed</b>	- A - SA - ATA - AT - FRA (others: SA0 - SA3 - SA4 - DA - XA)		
<b>back-to-back</b>	- adhesive strip based on AS - ATS - FRAS		
<b>reactivable coatings</b>	- BtB - HF see appropriate technical data sheets		
<b>Packing</b>	F : flanged 25m rolls J : jumbo with various roll lengths (up to 30mm only) D : dispenser cartons with rolls of 250 m (38mm & +) S : 100m spools for 10 & 12mm - 50m for 20mm G : giants for extra long roll lengths (up to 30mm only) specials: various packings for industry & commerce <a href="#">see technical data sheet packings nr .....</a>		
<b>Technical information</b>	internal lab ref.:109485		
<b>standard widths</b>	20 - 25mm : +/-1,0mm 30 - 50mm : +/-1,5mm 106mm : +/-5,0mm other widths are slit from 106mm tape		
<b>colours</b>	white - black		
<b>selvedges</b>	cold cut		
<b>thickness fastener</b>	3,2mm (+/- 0,5mm), measured after closing with a force of 20N/cm <sup>2</sup> height separate tape: hook : 2,0mm (+/-0,2mm) loop : 2,3mm (+/-0,5mm)		
<b>weight (average weight)</b>	fastener: 640gr/m <sup>2</sup> hook : 320gr/m <sup>2</sup> (+/-10%) (+/-10%) loop : 320gr/m <sup>2</sup> (+/-10%) Impact of edges is more important in smaller than in larger widths		
<b>fraying</b>	none or slightly, due to the back-coating; mainly in loop please check if fraying is acceptable for your use		
<b>resistance to chemicals &amp; UV</b>	resistant against : * water * solvents used for dry-cleaning * dilute acids at low temperature U.V.: good resistance to UV- or sunlight		
<b>resistance to temperatures</b>	from - 60°C to + 150°C (cold improves original fastener values) melting point : +/- 250°C softening point : +/- 235°C		
<b>recycling</b>	more and more textiles are produced in polyester, this allows recycling		
<b>colour fastness</b>	EN 20105-B02	light	5 on a scale of 8
	DIN/ISO 105 E01	water & seawater	4 " " " " 5
	EN 20105-C.03	washing 60°C	3 " " " " 5
	DIN/ISO 105 E04	sweat	4 " " " " 5
	DIN/ISO 105 X12	rubbing wet & dry	4 " " " " 5
	DIN/ISO 105 X11	ironing	4 " " " " 5
	DIN/ISO 105 D01	dry-cleaning	3 " " " " 5

## HOOK & LOOP FASTENERS polyester

Technical data sheet

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### Technical information

#### shrinkage / water absorbtion

after washing 60° C or dry-cleaning

#### shrinkage

hook:

#### lengthwise

max. 2,0%

#### widthwise

max. 2,0%

loop:

max. 2,0%

max. 2,0%

#### water absorbtion

max. 0,5%

#### cleaning instructions

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

washing

bleaching

ironing

dry-  
cleaning

tumble  
drier

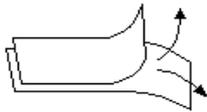


### Fastener values

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



hook	loop
(EN 13934-1)	
<b>breaking strength (lengthwise)</b>	
min.	min.
250N/cm	250N/cm
<b>stretch before breaking (lengthwise)</b>	
min.	min.
20%	30%

open. & closings	peel strength (EN 12242)	shear strength (EN 13780)
according to list of demands" DIN 3415"		
after 1 opening & closing	2,3 (1,0)N/cm width	10,0 (5,0)N/cm <sup>2</sup>
after 1.000 openings & closings (EN 1414)	min. 0,9N/cm width	min. 2,5N/cm <sup>2</sup>

\* original strengths increase with cold: -20°C = + 25% (+/-)

\* if used over curves: up to 2/3 times original shear strength

### 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.

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