

Adhesivos Técnicos y Troquelados es una empresa altamente especializada en la transformación de **cintas adhesivas de tipo técnico**. Nuestra **experiencia de más de 15 años** de presencia en el sector nos avala.

Dar respuesta a las **necesidades de sujeción** que nuestros clientes nos plantean nos ha llevado a ampliar la cartera de productos que trabajamos, incorporando, a nuestra amplia gama de cintas adhesivas, las soluciones *Fastening*.

El departamento de compras de ATyT realiza frecuentes prospecciones de mercado para obtener los mejores precios, pero también para identificar **productos novedosos** que nos permitan mejorar el servicio ofrecido a nuestros clientes.



En este contexto se enmarca el **acuerdo comercial establecido con Alfatex**, que nos convierte en distribuidor a nivel nacional de esta prestigiosa marca europea, con sede en Bélgica,



Siempre ofrecemos la mejor **relación calidad - precio**. De un mismo producto disponemos de **distintas calidades**, para responder a los diferentes niveles de exigencia requeridos.

Todos nuestros productos cumplen los requisitos técnicos establecidos por las **normativas existentes en el sector**: garantía de calidad acorde a la Norma ISO 17050-1 y normativas específicas (Oeko-Tex® 100 FR, producto clase II; CPSIA americana; Anexo XVII de REACH).

Nuestra **capacidad de transformación** nos permite ofrecerle, **de manera rápida**, un **producto totalmente personalizado**. Le podemos entregar el producto

rebobinado sobre un **mandril hecho a medida** para usted, con su logo, su página web o la marca que desee. Igualmente, le podemos servir el **producto acabado**, en blisters personalizados o retractilado para facilitar su posterior comercialización.

Los **productos más destacados que ofrecemos** son los siguientes:

- Sistemas de sujeción sin adhesivo (E-011).
- Sistemas de sujeción con diferentes tipos de adhesivo (E-101, E-102 y E-103).
- Sistemas de sujeción con retardante de llama (**Normativa FR**) (E-107 y E-112).
- Sistemas de sujeción tipo SETA (E-004).
- Bridas de poliamida (Gripstraps E- 605).
- Easy coins (monedas troqueladas con sistema gripper small + velours) con adhesivo A (E-607).

En la página web puede ampliar esta información: www.atyt.es. También ahí encontrará la sección de **Novedades**, para conocer los productos que, periódicamente, incorporamos a nuestra amplia cartera.

SISTEMAS DE SUJECIÓN SIN ADHESIVO (E-011)

HOOK & LOOP FASTENERS high strength		Technical data sheet																																				
		Page	E-011 / 01																																			
		Date	Sept. 2011																																			
Hook tape HS	ÖKO-TEX Standard 100 class II																																					
construction composition	standard widths woven with sewing edges base tape in PA 6 and hooks in PA 6.6 + PU coating (latex free)																																					
Loop tape HS	ÖKO-TEX Standard 100 class II																																					
construction composition	standard widths woven with sewing edges base tape in PA 6 and loops in PA 6 + PU coating (latex free)																																					
Special versions	hook & loop high strength polyamide can be delivered with the following backings:																																					
adhesive-backed	- adhesives A - SA - ATA - AT - FRA (others: SA0 - SA3 - SA4 - DA - XA)																																					
reactivable coatings	- adhesive strip based on AS - ATS - FRAS																																					
flame retardant	- HF																																					
back-to-back	- FR tape and FRA adhesive																																					
no tin tape	- available in a standard and in a FR version																																					
	- no-tin tape																																					
	see appropriate technical data sheets																																					
Packing	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 see technical data sheet packings nr																																					
Technical information	internal lab ref.:101784																																					
standard widths + variations	16 - 20 - 25mm : +/-1,0mm 30 - 38 - 50mm : +/-1,5mm 100 - 106 - 160mm : +/-5,0mm 10 & 12mm, cold slit from 25, 50 or 100mm tape: on spools S of 100m																																					
colours (no AZO-dyesuffs)	23 standard colours: see shade card special colours on request (per 4 cartons)																																					
thickness fastener	3,1mm (+/-0,5mm), measured after closing with a force of 20N/cm ² height separate tape : hook: 2,0mm (+/-0,2mm) loop: 2,2mm (+/-0,3mm)																																					
weight (average weight)	fastener : 635gr/m ² (+/-10%) hook: 310gr/m ² (+/-10%) loop: 325gr/m ² (+/-10%) impact of edges is more important in smaller than in larger widths																																					
fraying	none or slightly, due to the back coating																																					
resistance to chemicals & UV	resistant against : * diluted acids & alkalines at low temperature * trichlorethylene * solvents for dry-cleaning if exposure to UV-light is high: use polyester fastener - see data sheet E-006																																					
resistance to temperatures	from -30°C to +140°C (cold improves orig. fastening values) melting points : * PA 6: +/-215°C * PA 6.6: +/-250°C softening points : * PA 6: +/-165°C * PA 6.6: +/-210°C																																					
colour fastness	<table border="0"> <tr> <td>EN 20105-B02</td> <td>light</td> <td>5</td> <td>on a scale of</td> <td>8</td> </tr> <tr> <td>DIN/ISO 105 E01</td> <td>water & seawater</td> <td>4</td> <td>" " " "</td> <td>5</td> </tr> <tr> <td>EN 20105-C.03</td> <td>washing 60°C</td> <td>4-5</td> <td>" " " "</td> <td>5</td> </tr> <tr> <td>DIN/ISO 105 E04</td> <td>sweat</td> <td>4</td> <td>" " " "</td> <td>5</td> </tr> <tr> <td>DIN/ISO 105 X12</td> <td>rubbing wet & dry</td> <td>4-5</td> <td>" " " "</td> <td>5</td> </tr> <tr> <td>DIN/ISO 105 X11</td> <td>ironing</td> <td>4</td> <td>" " " "</td> <td>5</td> </tr> <tr> <td>DIN/ISO 105 D01</td> <td>dry-cleaning</td> <td>4-5</td> <td>" " " "</td> <td>5</td> </tr> </table>			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	4-5	" " " "	5	DIN/ISO 105 E04	sweat	4	" " " "	5	DIN/ISO 105 X12	rubbing wet & dry	4-5	" " " "	5	DIN/ISO 105 X11	ironing	4	" " " "	5	DIN/ISO 105 D01	dry-cleaning	4-5	" " " "	5
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	4-5	" " " "	5																																		
DIN/ISO 105 E04	sweat	4	" " " "	5																																		
DIN/ISO 105 X12	rubbing wet & dry	4-5	" " " "	5																																		
DIN/ISO 105 X11	ironing	4	" " " "	5																																		
DIN/ISO 105 D01	dry-cleaning	4-5	" " " "	5																																		

continuation on p. 2/2

HOOK & LOOP FASTENERS high strength

Technical data sheet

Page E-011 / 02

Date Sept. 2011

continuation from p. 1/2

Technical information

shrinkage/water absorption

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 absorption: (DIN 53923)

Hook:

+/- 39%

Loop:

+/- 145%

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 laundry

washing

bleaching

ironing

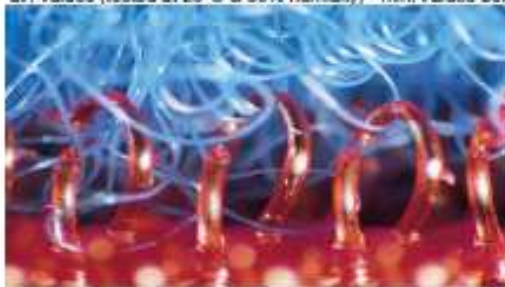
dry-cleaning

tumble dryer



Fastener values

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



hook	loop
breaking strength (lengthwise)	
min.	min.
200N/cm	200N/cm
stretch before breaking (lengthwise)	
min.	min.
35%	35%

openings & closings	peel strength (EN 12242)	shear strength (EN 13780)
according to list of demands* DIN 3415*		
after 1 opening & closing	2,3 (1,3) N/cm width	10,0 (6,0) N/cm ²
after 10.000 openings & closings (EN1414)	min. 0,65 N/cm width	min. 3,0 N/cm ²

* 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 reserve 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.
















ATYT - Adhesivos Técnicos y Troquelados www.atyt.es

C/ Escorxador, nave 7. Sant Pere de Riudebitlles. Barcelona (España)
















Contacte con nosotros en el teléfono +34 93 899 50 34 o en el correo electrónico: info@atyt.es

Nuestros asesores comerciales están a su disposición; pueden desplazarse a sus instalaciones para analizar in situ, conjuntamente con sus técnicos, sus necesidades de sujeción.

SISTEMAS DE SUJECIÓN CON ADHESIVO A (E-101).

ADHESIVE: GLUE "A"		Technical data sheet										
		Page E-101										
		Date May 2010										
Composition	rubber-based hotmelt adhesive, pressure sensitive											
Colour	amber colour											
Properties	<div style="border: 1px solid black; padding: 5px; text-align: center;"> ÖKO-TEX Standard 100 class II </div> <p>internal lab ref.:101365 - 106240</p> <ul style="list-style-type: none"> - good to excellent adhesion to most substrates - high initial tack - fair resistance to humidity (better in combination with polyester tape) - to be glued to a waterproof and dry surface - not suitable for articles containing plasticisers <p>Important: if exposure to UV-light is high:</p> <ul style="list-style-type: none"> - use adhesive ATA - see data sheet E-102 - use polyester tape - see data sheet E-006 											
Resistance to temp.	<ul style="list-style-type: none"> - service temperature from -10°C to +85°C - the specified ambient temperature at which the adhesive still shows good holding strength, strongly depends on the surface, humidity and load applied 											
Application / bonding	<ul style="list-style-type: none"> - application at room temperature (20°C +/-5°C) - press adhesive-backed tape and substrate firmly together at room temperature while bonding - optimal adhesion after 48 hours at room temperature - when continuous peel- or shearforce is applied, the glue can have a tendency to start creeping on certain surfaces - the adhesive should not be removed or reused 											
Surfaces	<ul style="list-style-type: none"> - must be free of oil, grease, dust, humidity, loose particles, monomeric plasticisers, silicones, paint or coating which is peeling off, ... - should not be uneven, brittle, soft or unstable - should be suitable for glueing - should allow a good bond with adhesive backing - for ex.: most metals, wood, glass, ceramics, stone, paper, cardboard, various hard plastics,... 											
Cleaning instructions	<table style="width: 100%; text-align: center;"> <tr> <td>washing</td> <td>bleaching</td> <td>ironing</td> <td>dry-cleaning</td> <td>tumble dryer</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>		washing	bleaching	ironing	dry-cleaning	tumble dryer					
washing	bleaching	ironing	dry-cleaning	tumble dryer								
												
Storage & shelf life	<ul style="list-style-type: none"> - in a dry, dark, dust-free and well ventilated room - storing at a constant temperature of 20°C (+/-5 °C) - ca. 18 months shelf life if stored correctly 											
Removing adh. residuals	<ul style="list-style-type: none"> - with acetone, white spirit, mineral oil, paraffin wax or with an ecological biodegradable cleaner with a basis of natural solvents <p>Important: please assure that the substrate is compatible with the above mentioned products</p>											
Tests by user & guarantees	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>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.</p> </div>											
<p><small>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 reserve 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.</small></p>												

SISTEMAS DE SUJECIÓN CON ADHESIVO ACRÍLICO BASE AGUA (E-102).

ADHESIVE: GLUE "ATA"		Technical data sheet											
		Page	E-102										
		Date	August 2009										
Composition	acrylic water-based, pressure sensitive												
Colour	white, transparent												
Properties	<div style="border: 1px solid black; padding: 5px; text-align: center;"> ÖKO-TEX Standard 100 class II </div> <ul style="list-style-type: none"> - good adhesion to various substrates - fair initial tack, generally grows with time and temperature - exposure to U.V.-light and sunlight : good - resistant to various plasticisers (but not to monomeric plasticisers) - low resistance to humidity - resumes holding strength when dry, should therefore be glued to a waterproof and dry surface <p>Important: If exposure to UV-light is high: - use together with polyester fastener - see data sheet E-006</p>												
Resistance to temp.	<ul style="list-style-type: none"> - service temperature from -40°C to +110°C - the specified ambient temperature at which the adhesive still shows good holding strength, strongly depends on the surface, humidity and load applied 												
Application / bonding	<ul style="list-style-type: none"> - application at room temperature (20°C +/- 5°C) - adhesive backed tape and substrate to be at room temperature while bonding to be pressed together firmly - max. adhesion after 72 hours at room temperature - when continuous peel- or shear force is applied, the glue can have a tendency to start creeping on certain surfaces - the adhesive is not intended for removal and/or re-application 												
Surfaces	<ul style="list-style-type: none"> - must be free of oil, grease, dust, humidity, loose particles, silicones, monomeric plasticisers, paint or coating which is peeling off, ... - should not be too uneven, brittle, soft or unstable - should be suited for glueing upon - should allow a bond with adhesive backing - f. e.: most metals, wood, glass, ceramics, various plastics and soft plastics 												
Cleaning instructions	<table style="width: 100%; text-align: center;"> <tr> <td>washing</td> <td>bleaching</td> <td>ironing</td> <td>dry-cleaning</td> <td>tumble dryer</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>			washing	bleaching	ironing	dry-cleaning	tumble dryer					
washing	bleaching	ironing	dry-cleaning	tumble dryer									
													
Storage & shelf life	<ul style="list-style-type: none"> - in a dry, dark, dust-free and well ventilated room - storing at a constant temperature of 20°C (+/- 5 °C) - if stored correctly: ca. 18 months shelf life 												
Removing adh. residuals	<ul style="list-style-type: none"> - with warm water or water mixed with cleaner <p>Important: please assure that the substrate is compatible with the above mentioned products</p>												
Tests by user & guarantees	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>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.</p> </div>												
<p><small>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 reserve 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.</small></p>													






ATYT - Adhesivos Técnicos y Troquelados www.atyt.es

C/ Escorxador, nave 7. Sant Pere de Riudebitlles. Barcelona (España)

Contacte con nosotros en el teléfono +34 93 899 50 34 o en el correo electrónico: info@atyt.es

Nuestros asesores comerciales están a su disposición; pueden desplazarse a sus instalaciones para analizar in situ, conjuntamente con sus técnicos, sus necesidades de sujeción.






SISTEMAS DE SUJECIÓN CON ADHESIVO HOTMELT (E-103).

ADHESIVE: GLUE "SA" - "SA3" - "SA4"		Technical data sheet	
		Page	E-103
		Date	May 2010
Composition	hotmelt adhesive based on resin and blockcopolymeren, pressure sensitive		
Colour	amber colour		
Properties	<div style="border: 1px solid black; padding: 5px; text-align: center;">OKO-TEX Standard 100 class II</div> <p>internal lab ref.: 1195 - 1857 - 1789 - 105781</p> <ul style="list-style-type: none"> - very high and strong initial tack - excellent adhesion to most substrates - fair resistance to humidity (better in combination with polyester tape) (to be glued on a waterproof and dry surface) - not suitable for articles containing plasticisers <p>Important: if exposure to UV-light is high, use together with</p> <ul style="list-style-type: none"> - polyester fastener - see data sheet E-00E - adhesive ATA - see data sheet E-102 		
Resistance to temp.	<ul style="list-style-type: none"> - service temperature from -10°C to + 80°C - the specified ambient temperature at which the adhesive still shows good holding strength, strongly depends on the surface, humidity and load applied 		
Application / bonding	<ul style="list-style-type: none"> - application at room temperature 20°C (+/-5°C) - adhesive backed-tape and substrate to be at room temperature while bonding - to be pressed together firmly - max. adhesion after 48 hours at room temperature - when continuous peel- or shearforce is applied, the glue can have a tendency to start creeping on certain surfaces - the adhesive is not intended for removal and/or re-application 		
Surfaces	<ul style="list-style-type: none"> - must be free of oil, grease, dust, humidity, loose particles, monomeric plasticisers, silicone, paint or coating which is peeling off, ... - should not be too uneven, brittle, soft or unstable - should be suited for glueing upon - should allow a bond with adhesive backing - for ex.: most metals, wood, glass, ceramics, stone, paper, cardboard, certain textiles, various hard plastics and polyolefines (e.g. PE, PP, ...), metals, various plastics and paper,.... foams 		
	<p>Specialty developed for:</p> <p>Pick-up: { SA +/- 200 gr/m² →</p> <p> { SA3 +/- 300 gr/m² →</p> <p> { SA4 +/- 400 gr/m² →</p>	<p>foams, conugated boards, polystyrene (e.g. for bicycle-helmets),...</p>	
Cleaning instructions	<p>washing bleaching ironing dry cleaning tumble dryer</p> <p>    </p>		
Storage & shelf life	<ul style="list-style-type: none"> - in a dry, dark, dust-free and well ventilated room - storing at a constant temperature around +20°C (+/- 5°C) - if stored correctly: 12 months shelf life 		
Removing adh. residuals	<ul style="list-style-type: none"> - with acetone, white spirit, mineral oil, paraffin wax or with an ecological biodegradable cleaner with a basis of natural solvents <p>Important: please assure that the substrate is compatible with the above mentioned products</p>		
FDA status	<ul style="list-style-type: none"> - meets composition requirements of indirect food additives regulation 21 CFR-175.105 "adhesives" 		
Tests by user & guarantees	<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>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.</p> </div>		
<p><small>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, according the limitation of liability as stipulated herewith. In addition, we reserve 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.</small></p>			

SISTEMAS DE SUJECIÓN CON RETARDANTE DE LLAMA (NORMATIVA FR) (E-107).

FLAME - RETARDANT FASTENERS (FR)		Technical data sheet										
		Page E-107										
		Date Aug/2011										
<p>The tapes treated with the flame-retardant coating have good flame-retardant properties. Internal labref.: 1145 - 148345</p>												
Tapes		<p>for info on base tapes see individual technical data sheets</p> <p>hook and loop high strength : TDS 011</p> <p>mushroom and velours : TDS 004</p> <p>gripper PA small, medium, large : TDS 501, 502, 503</p>										
Flame retardancy		<p>the quality passes the following tests:</p> <ul style="list-style-type: none"> - F.M.V.S.S. 302 / TL 10 10 / DIN 75 200 / ISO3795: Determination of flammability of materials used in the interior of motor vehicles. - F.A.R. 25.853 (a): measurement of flammability of aircraft materials. - airbus standard ABD0031: Measurement of flammability, smoke density and smoke toxicity according to Airbus Specifications - directive 95/28/EG: Determination of flammability of materials used in the interior construction of certain categories of motor vehicles. <p>The quality passes the following tests:</p> <ul style="list-style-type: none"> - F.M.V.S.S. 302 / TL 10 10 / DIN 75 200 / ISO3795: Determination of flammability of materials used in the interior of motor vehicles. - F.A.R. 25.853 (a): measurement of flammability of aircraft materials. <p>The quality passes the following tests:</p> <ul style="list-style-type: none"> - F.M.V.S.S. 302 / TL 10 10 / DIN 75 200 / ISO3795: Determination of flammability of materials used in the interior of motor vehicles. - F.A.R. 25.853 (a): measurement of flammability of aircraft materials. 										
	hook and loop											
	mushroom and velours											
	grippers PA											
Colours		<p>all colours on our shade card, other colours are possible on request.</p> <p>all colours on our shade card, other colours are possible on request.</p> <p>white and black, other colours on request.</p> <p>only white and black.</p>										
	hook and loop											
	mushroom											
	velours											
	grippers PA											
Cleaning instructions		<p>cleaning with fastener in closed position: to protect fastener and washing</p>										
	hook and loop	<table border="0"> <tr> <td>washing</td> <td>bleaching</td> <td>ironing</td> <td>dry-cleaning</td> <td>tumble dryer</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	washing	bleaching	ironing	dry-cleaning	tumble dryer					
washing	bleaching	ironing	dry-cleaning	tumble dryer								
	mushroom and velours	<table border="0"> <tr> <td>washing</td> <td>bleaching</td> <td>ironing</td> <td>dry-cleaning</td> <td>tumble dryer</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	washing	bleaching	ironing	dry-cleaning	tumble dryer					
washing	bleaching	ironing	dry-cleaning	tumble dryer								
	ATTENTION: grippers PA	<table border="0"> <tr> <td>washing</td> <td>bleaching</td> <td>ironing</td> <td>dry-cleaning</td> <td>tumble dryer</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>- Velours loses its flame retardant properties after washing.</p>	washing	bleaching	ironing	dry-cleaning	tumble dryer					
washing	bleaching	ironing	dry-cleaning	tumble dryer								
IMPORTANT		<p>-The tapes pass the above mentioned flame retardancy tests. However, the tests must be repeated testing the assembly of the tape and the substrate.</p> <p>-This tape contains no bromine flammability stabilizers type penta-BDE, octa-BDE, deka-BDE or penta-PBDE and octa-PBDE.</p>										
Special versions		<p>Flameretardant fasteners can be delivered with a pressure sensitive adh. backing:</p> <ul style="list-style-type: none"> - FRA - A - SA - ATA - AT (others: SA0 - SA3 - SA4 - DA - XA) - adhesive strip based on AS - ATS - FRAS - HF - available in a standard and in a FR version 										
	glues											
	reactivable coating back-to-back											
	ATTENTION: 100 % FR Certification can be submitted only in combination with FRA-glue!											
	Combinations with other mentioned glues can NOT be certified! Tests to be carried out by the user.											
Tests by user & guarantees		<div style="border: 1px solid black; padding: 5px; text-align: center;"> <p>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.</p> </div>										
<p><small>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 adjust the contents in technical changes without prior notice. Please make sure that you have the latest version of the technical data sheet.</small></p>												

SISTEMAS DE SUJECIÓN CON RETARDANTE DE LLAMA (NORMATIVA FR) (E-112).

ADHESIVE: GLUE " FRA adhesive"		Technical data sheet
		Page E-112
		Date June 2010
Composition	- rubber-based flame retardant hotmelt adhesive, pressure sensitive	
Properties	<p>internal lab.ref.: 197 B</p> <p>- flame retardant: meets the flammability test according to FAR 25.853 (a) Appendix F part I (a) (1) (G)</p> <p>- high initial tack</p> <p>- excellent adhesion to most substrates</p> <p>- fair resistance to humidity (to be glued on a waterproof and dry surface)</p> <p>- not suitable for articles containing plasticisers</p> <p>- poor resistance to U.V. - and sunlight</p>	
colour	amber colour	
resistance to temperature	<p>- service temperature from -10°C to +60°C</p> <p>- the specified ambient temperature at which the adhesive still shows good holding strength strongly depends on the surface, humidity and load applied</p>	
Application / bonding	<p>- application at room temperature (20°C +/- 5°C)</p> <p>- adhesive backed tape and substrate to be at room temperature when bonding</p> <p>- to be pressed together firmly</p> <p>- max. adhesion obtained after 48 hours at room temperature</p> <p>- when continuous peel- or shearforce is applied, the glue can have a tendency to start creeping on certain surfaces</p> <p>- the adhesive is not intended for removal and/or re-application</p>	
surfaces	<p>- must be free of oil, grease, dust, humidity, loose particles, monomeric plasticisers, silicone, paint or coating which is peeling off, ...</p> <p>- should not be too uneven, brittle, soft or unstable</p> <p>- should be suited for glueing upon</p> <p>- should allow a bond with adhesive backing - for ex.: most metals, wood, glass, ceramics, stone, paper, cardboard, certain textiles, various hard plastics and foams</p>	
Specially developed for	<p>- flame retardant applications</p> <p>- bonding together with flame retardant tapes - see data sheet E-107</p> <p>- meets the flammability test according to FAR 25.853 (a) Appendix F part I (a) (1) (ii)</p>	
Cleaning instructions	<p style="text-align: center;"> washing bleaching ironing dry-cleaning tumble      </p>	
Storage & shelf life	<p>- in a dry, dark, dust-free and well ventilated room</p> <p>- storing at a constant temperature around +20°C (+/- 5°C)</p> <p>- if stored correctly: 12 months shelf life</p>	
Removing adh. residuals	<p>- with acetone, white spirit, mineral oil or paraffin wax.</p> <p>Important: please assure that the substrate is compatible with the above-mentioned products</p>	
Toxicity	<p>- the glue does not contain</p> <ul style="list-style-type: none"> - decabromodiphenyl - octabromodiphenyl - silicones 	
Tests by user & guarantees	<p>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.</p>	
<p><small>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 reserve 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.</small></p>		

SISTEMAS DE SUJECIÓN TIPO SETA (E-004).

MUSHROOM STAND. or HIGH STRENGTH & VELOUR STANDARD		Technical data sheet	
		Page	E-004 / 01
		Date	October 2012
Mushroom tape			
construction composition standard widths	woven with sewing edges 70% polyester + 30% polypropylene (mushrooms) + coating 12 - 16 - 20 - 25mm : +/-1,0mm 30 - 38 - 45 - 50mm : +/-1,5mm 90 - 95mm : +/-2,0mm 125 - 208mm : +/-5,0mm		
Velour tape			
construction composition standard widths	ÖKO-TEX Standard 100 class II - approval nr 60414302		
knitted without sewing edges (2.050mm wide) 100% polyamide + coating 12 - 16 - 20 - 25 - 30 - 38 - 50mm; +/-1,00mm other widths between 12 & 2.000mm are possible			
Special versions			
adhesive-backed flame retardant back-to-back	Mushroom & velour can be delivered with the following backings: - adhesives A - SA - ATA - FRA (others: SA0 - SA3 - SA4 - DA - XA) - adhesive strip based on AS - ATS - FRAS - FR tape and FRA adhesive - available in a standard and in a FR version see appropriate technical data sheets		
Packing			
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 see technical data sheet packings nr			
Technical information			
se/edges	mushroom st./high strength : hot cut edges velours standard : cold cut		
colours (no AZO-dyestuffs)	mushroom st./high strength : 9 colours velours standard : 9 colours		
thickness of fastener	2mm (+/-0,5mm), measured after closing with a force of 20N/cm ² height separate tapes: mushroom st. or HS : 1,20 - 1,35mm (+/-0,2mm) velour : 1,60mm (+/-0,3mm)		
weight	mushroom 50/50 : 245gr/m ² (+/-30gr/m ²) tape only mushroom standard : 300gr/m ² (+/-30gr/m ²) tape only mushroom high strength : 300gr/m ² (+/-30gr/m ²) tape only velours standard : 250gr/m ² (+/-25gr/m ²) 2.050 mm for velours types with other weights: see technical data sheets E-402 and E-403		
fraying	mushroom st. and high strength : hot cut edges cannot fray velours : no fraying		
resistance to chemicals/UV	resistant against : * alkalines & diluted acids at low temperature if exposure to UV light is high: use polyester fastener - see data sheet E-006		
resistance to temperatures	from - 30°C to + 100 °C melting points: *PES: +/-260°C *PP: +/-164°C softening points: *PES: +/-178°C *PP: +/-120°C		
colour fastness	EN 20105-B02 : light : 5 on a scale of 8 DIN/ISO 105 E01 : water & seawater : 4 " " " " " 5 EN 20105-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 DIN/ISO 105 D01 : dry-cleaning : 4 " " " " " 5		
velours only:			

ATYT - Adhesivos Técnicos y Troquelados www.atyt.es

C/ Escorador, nave 7. Sant Pere de Riudebitlles. Barcelona (España)

Contacte con nosotros en el teléfono +34 93 899 50 34 o en el correo electrónico: info@atyt.es

Nuestros asesores comerciales están a su disposición; pueden desplazarse a sus instalaciones para analizar in situ, conjuntamente con sus técnicos, sus necesidades de sujeción.

MUSHROOM STAND. or HIGH STRENGTH & VELOUR STANDARD

Technical data sheet

Page E-004 / 02

p. 2/2

Date October 2012

continuation from p. 1/2

Technical information

shrinkage + waterabsorbtion

after washing 40°C

shrinkage

mushroom st. and heavy : max. 3 %

velours st. : max. 6,5 %

water absorbtion : max. 4 % (conditioned room) & 10 % (water 20°C)

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

washing

bleaching

ironing

dry-
cleaning

tumble
dryer

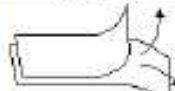
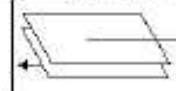


Fastener values

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



mushroom standard and heavy	velours standard
breaking strength (lengthwise)	
min. 150 N/cm	min. 100 N/cm
stretch before breaking (lengthwise)	
min. 25%	min. 40%

openings & closings	peel strength (EN 12242)	shear strength (EN 13760)
according to list of demands* DIN 3415†		
after 1 opening & closing	1,3 (1,0) N/cm width	20,0 (11,0) N/cm²
after 100 openings & closings (EN 1414)	0,50 N/cm width	5,50 N/cm²

* average of 3 tests in 4 directions: differences (mainly in peel) appear between 4 directions (max. up to 8x)

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


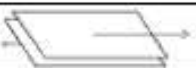
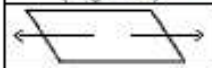

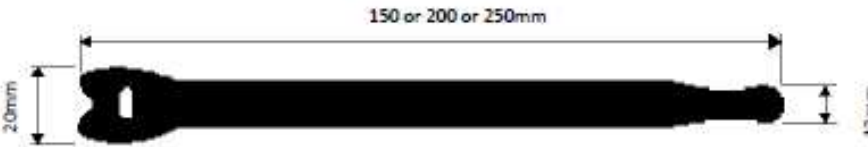
* if used over curves: up to 2/3 times original shear strenght

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 reserve 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.

BRIDAS DE POLIAMIDA (GRIPSTRAPS E- 605).

GRIPSTRAPS (GST1)		Technical data sheet	
		Page	E-605
		Date	Sept. 2012
Construction		gripstraps are cut out of: - gripper (extruded) and - velours (knitted in 100% polyamid) that are laminated back to back to each other	
composition	- gripper small PA & velours standard - gripper small PP & velours light		
colours	black, other colours on request		
Fastener values			
openings & closings	peel strength (EN 12242)	shear strength (EN 13780)	breaking strength stretch before breaking (lengthwise)
			
gripper small PA & velours standard			
after 1 opening & closing	min.0,60N/cm width	min.10N/cm ²	min. 120N/cm
after 100 openings & closings	min.0,45N/cm width	min.8,5N/cm ²	min. 50%
gripper small PP & velours light			
after 1 opening & closing	min.0,60N/cm width	min.10N/cm ²	min. 100N/cm
after 100 openings & closings	min.0,45N/cm width	min.8,5N/cm ²	min. 60%
Standard dimensions			
			
			
Tests by user & guarantees		<p>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.</p>	
<p>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 reserve 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.</p>			

EASY COINS (MONEDAS TROQUELADAS CON SISTEMA GRIPPER SMALL + VELOURS) CON ADHESIVO A (E-607).

EASY COINS GRIPPER/VELOURS ECON. + ADH.A MATED		Technical data sheet	
		Page	E-007
		Date	Nov. 2013
2 adhesive tapes that are mated and have been punched in a oval shape with an easy-peel lip			
Materials			
gripper small PA velours economy	see TDS E-501 see TDS E-402		
Technical information			
widths/diameters	25mm x 8mm : 2 x 2.625 pcs/roll 35mm x 12mm : 2 x 1.750 pcs/roll		
colours	white 100 and black 500		
Backing			
adhesive-backed other adhesives	- standard with adh.A - also possible with: SA - ATA - DA see appropriate technical data sheets		
Packing			
	F	: flanged 25m rolls	
			
			
Internal Alfatex® codes			
25mm x 8mm	GSPA/VE	A/MAT/C	25 100 8
	GSPA/VE	A/MAT/C	25 500 8
35mm x 12mm	GSPA/VE	A/MAT/C	35 100 12
	GSPA/VE	A/MAT/C	35 500 12
Tests by user & guarantees			
<p>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.</p>			
<p>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 reserve 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.</p>			



Any person aware of misuse of this certificate may address himself to the BQA, sa. This certificate may only be disclosed in its entirety.
BQA, sa - rue Manger 24 (bt) - 1000 Brussels.

BS-UC21-01-2011

