Adhesive Tape Solutions

Core Product Range

BIOLINK

tape solutions

Our product philosophy

Since 1997, Biolink has been designing, developing and producing a wide range of specialist self-adhesive products, using our unique technology and philosophy.

Our products are designed, developed and produced according to DIN EN ISO 9001:2008, ISO/TS 16949:2009 and DIN EN ISO 14001:2009.

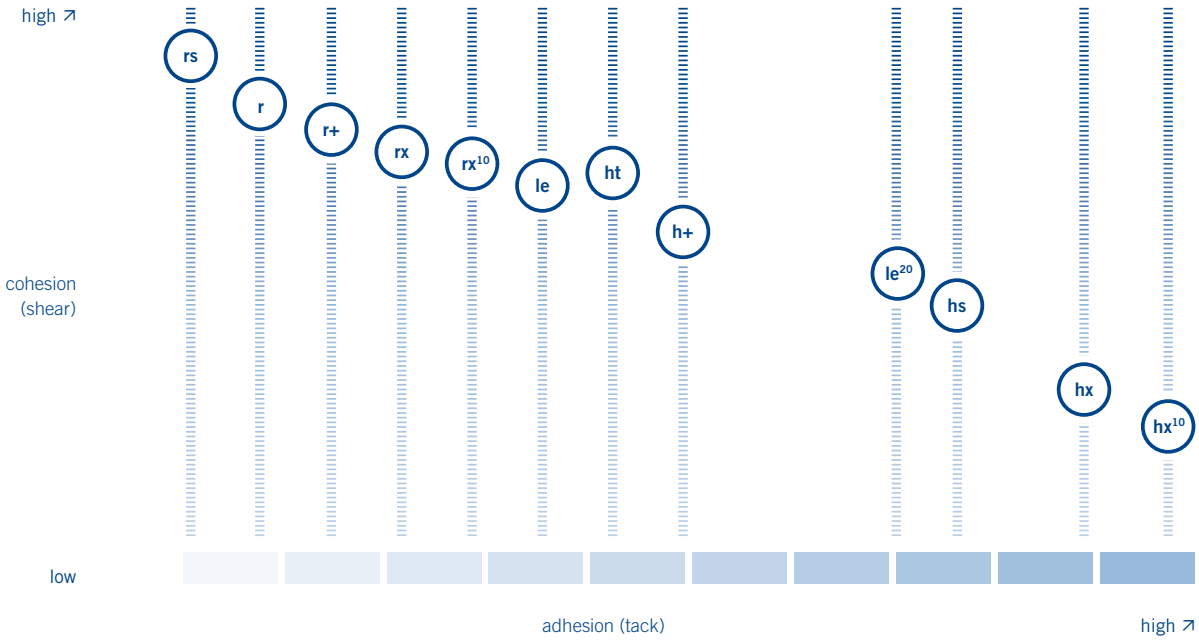
Biolink is totally committed to its unique technology, with all our products produced using our own 100 % acrylic mass, solvent-free technique. Our philosophy is to deliver the very best solution possible, according to the requirements of each application specifically.

Whether the solution comes from our core product range, or whether it is designed and customised with the support and assistance of our highly-experienced application engineers, we aim to provide the benefits of added value and value-added customer-driven tape solutions.

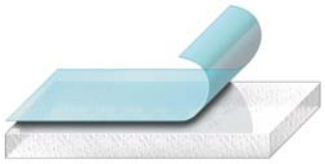
This brochure describes our comprehensive core product range, which includes many products considered industry standards.

Our custom facility should be used to design and create brand-new, customer and application-specific products. For more information, please refer to the brochure “tape designer”.

Adhesive Classes – Adhesion & Cohesion



flexlink

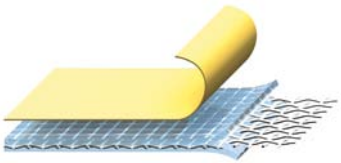


Acrylic foams.

Available in thickness 400 to 1.100 microns. Flexlinks are acrylic foams, designed to provide very high performance bonding, fixing and mounting of assembly parts, where historically liquid adhesives, screws and other mechanical fixings may have been required. Utilised widely in signage and transport industries, where the cellular nature of these products help provide a compressible gasket and seal, in addition to fixation. Applications include mounting of acrylic lettering, metal ribs for flat panels, metal surrounds to acrylic sheet, auto decals and mouldings, white and consumer goods assembly. Aluminium profiles, truck constructional systems, caravans and mobile homes.

	flexlink 640 r+ Article 3435	**flexlink 8011** Article 4415	**flexlink 1100 r+** Article 3240	**flexlink 1100 r** Article 3767
Tape thickness	640 µm	1100 µm	1100 µm	1100 µm
Carrier	Acrylic foam	Acrylic foam	Acrylic foam	Acrylic foam
Thickness				
Colour	white	gray	white	white
Adhesive	acrylate, modified	acrylate, modified	acrylate, modified	acrylate, modified
Liner	HDPE film	PE film	HDPE film	PE-Paper
Thickness	125 µm	125 µm	125 µm	140 µm
Colour	blue	red	blue	white
Bonding force				
Peel [1] (N/25 mm)	31	34	34	30
Shear [2] (N/625 mm²)	45	45	45	45
Temperature stability				
Long term °C	- 40 + 120	- 40 + 120	- 40 + 120	- 40 + 120
Short term °C	+ 160	+ 160	+ 160	+ 160

netlink



Scrim reinforced transfer adhesives.

Designed primarily for adhesive backing and laminating of cellular foams. The integrated scrim provides good dimensional stability to the finished foam parts, whilst also helping processing and handling. The acrylic adhesives utilised are designed to provide very high levels of adhesion, necessary for the wide variety of foam types and cell structures that it is required to adhere to. For uneven and structured surfaces, two high deposition products are provided. Used widely for foam parts in the automotive, transport and electronics industries.

	netlink 90 hx Article 3366	**netlink 150 hx** Article 3336	**netlink 150 hs** Article 4614
Tape thickness	105 µm	160 µm	160 µm
Carrier	PET scrim	PET scrim	PET scrim
Thickness	0,08 mm	0,08 mm	0,08 mm
Colour	white	white	white
Adhesive	acrylate, modified	acrylate, modified	acrylate, modified
Liner	Si Kraft	PET film	PE-Paper
Thickness	75 µm	50 µm	120 µm
Colour	honey	transparent	white
Bonding force			
Peel [1] (N/25 mm)	31	36	36
Shear [2] (N/625 mm²)	5	5	10
Temperature stability			
Long term °C	- 40 + 80	- 40 + 80	- 40 + 80
Short term °C	+ 120	+ 120	+ 120

Test method: 1) According to AFERA 5001
2) According to AFERA 5012.

translink

Transfer adhesives for adhesive backing and laminating.

Available in thickness from 25 to 350 microns. The translink range is very broad based, so as to provide a number of potential solutions to the customer, for a very wide variety of applications. Select the adhesive class and thickness, to optimise the finished product's performance. Applications include adhesive backing of back-lit graphics, polishing abrasives and felts, go-kart and motocross decals, acrylic lettering. Frontpanels, labels, RFID-labels.

	translink 50 r Article 2901	**translink 80 h+** Article 4518	**translink 80 hs** Article 3938	**translink 80 hx** Article 3415
Tape thickness	50 µm	80 µm	80 µm	80 µm
Carrier				
Thickness				
Colour	transparent	transparent	transparent	transparent
Adhesive	acrylate, pure	acrylate, modified	acrylate, modified	acrylate, modified
Liner	PE-Paper	PE-Paper	PE-Paper	PE-Paper
Thickness	120 µm	120 µm	120 µm	120 µm
Colour	white	white	white	white
Bonding force				
Peel [1] (N/25 mm)	22	23	30	34
Shear [2] (N/625 mm²)	75	45	15	5
Temperature stability				
Long term °C	- 40 + 150	- 40 + 120	- 40 + 110	- 40 + 80
Short term °C	+ 200	+ 160	+ 150	+ 120

	translink 100 h+ Article 3703	**translink 130 h+** Article 3613	**translink 130 r** Article 2908	**translink 130 rx** Article 3224
Tape thickness	100 µm	130 µm	130 µm	130 µm
Carrier				
Thickness				
Colour	transparent	transparent	transparent	transparent
Adhesive	acrylate, modified	acrylate, modified	acrylate, pure	acrylate, pure
Liner	PE-Paper	PE-Paper	PE-Paper	PE-Paper
Thickness	120 µm	120 µm	120 µm	120 µm
Colour	white	white	white	white
Bonding force				
Peel [1] (N/25 mm)	25	27	25	27
Shear [2] (N/625 mm²)	45	45	75	60
Temperature stability				
Long term °C	- 40 + 120	- 40 + 120	- 40 + 150	- 40 + 150
Short term °C	+ 160	+ 160	+ 200	+ 200

Test method: 1) According to AFERA 5001 2) According to AFERA 5012.

Further information on Biolink's adhesive tapes is available on
www.biolinktapes.co.uk/products

foamlink

Double coated tapes, with polyolefin and PE-foam carriers.

A broad based range, comprised of several thickness, density and adhesive class combinations. Utilised very widely in the building, glass and glazing, POS (point of sale), automotive and white goods industries. The closed cell nature of the foams we use provides very good sealing, gap filling and gasketing qualities. Applications include auto badges, security glazing, panel glazing, polycarb roofing systems, liquid resin lamination, point of sale, assembly pads, truck and bus assembly.

	foamlink 1100 rx Article 3040	foamlink 11032 h+ Article 4177	foamlink 1603 h+ Article 3503	foamlink 1603 h+ Article 3439
Tape thickness	1100 µm	1100 µm	1600 µm	1600 µm
Carrier	PE-foam	PE-foam	PE-foam	PE-foam
Thickness	1,0 mm	1,0 mm	1,5 mm	1,5 mm
Colour	white	white	white	black
Adhesive	acrylate, pure	acrylate, modified	acrylate, modified	acrylate, modified
Liner	PE-Paper	Si Kraft	Si Kraft	Si Kraft
Thickness	120 µm	75 µm	75 µm	75 µm
Colour	white	white	honey	honey
Bonding force				
Peel[1] (N/25 mm)	24 *	27 *	15 *	15 *
Shear[2] (N/625 mm²)	60	45	45	45
Temperature stability				
Long term °C	- 40 + 70	- 40 + 70	- 40 + 70	- 40 + 70
Short term °C	+ 90	+ 90	+ 90	+ 90

Test method: 1) According to AFERA 5001 2) According to AFERA 5012 * Indication on foam tear.

relink

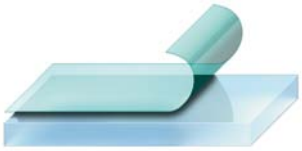
Removable adhesive tapes, clean peel and perm/peel products.

Biolink's unique technology enables us to produce a range of single and double coated, controlled peel products, designed for clean, residue free removal, even after extended periods in situ. This range can provide a variety of adhesive levels, ranging from 1 N, designed to provide temporary fixing of smart cards, to 10 N, designed to provide relatively high adhesion and shear strength. All will remove, without residue, after prolonged periods in situ, even when exposed to UV and other environmental factors. Applications include masking of parts during powder coating, protection of bright parts, mounting of protection pads, as an application tape for auto badges.

		relink 1513 Article 3685	relink 1300 Article 3702	relink 2521 Article 3813
Tape thickness		100 µm	100 µm	210 µm
Carrier		PET film	PET film	PET film
Thickness		23 µm	23 µm	23 µm
Colour		transparent	transparent	transparent
Adhesive	open side	permanent modified acrylate	permanent modified acrylate	permanent modified acrylate
	closed side	removable acrylate	removable acrylate	removable acrylate
Liner		PE-Paper	PE-Paper	PE-Paper
Thickness		120 µm	125 µm	120 µm
Colour		white	white	white
Bonding force				
Peel[1] (N/25 mm)		open side 20 I closed side 10	open side 23 I closed side 3	open side 40 I closed side 7
Shear[2] (N/625 mm²)				
Temperature stability				
Long term °C		- 40 + 70	- 40 + 70	- 40 + 70
Short term °C		+ 120	+ 120	+ 95

Test method: 1) Peel adhesion according to AFERA 5001, 10 min dwell at room temperature, 180° peel, 300 mm/min

prolink



Clear, acrylic bonding films.

Available in thickness 50 to 3.000 microns. Prolinks are specifically designed to provide very high performance bonding, fixing and mounting of assembly parts, where historically liquid adhesives, screws and other mechanical fixings may have been required. Used very widely in the glass, glazing, transport and signage industries. Applications include liquid resin laminating systems, post and panel signs, truck and bus assembly, light boxes, white goods construction.

	prolink 250 r Article 2954	**prolink 350 le** Article 3248	**prolink 500 r** Article 3105	**prolink 1000 r** Article 3106
Tape thickness	250 µm	350 µm	500 µm	1000 µm
Carrier				
Thickness				
Colour	transparent	transparent	transparent	transparent
Adhesive	acrylate, pure	acrylate, modified	acrylate, pure	acrylate, pure
Liner	PE-Paper	HDPE film	HDPE film	HDPE film
Thickness	140 µm	125 µm	140 µm	125 µm
Colour	blue	blue	blue	blue
Bonding force				
Peel [1] (N/25 mm)	30	31	33	37
Shear [2] (N/625 mm²)	75	45	60	30
Temperature stability				
Long term °C	- 40 + 150	- 40 + 120	- 40 + 120	- 40 + 120
Short term °C	+ 200	+ 150	+ 150	+ 150

	prolink 1500 r Article 3116
Tape thickness	1500 µm
Carrier	
Thickness	
Colour	transparent
Adhesive	acrylate, pure
Liner	HDPE film
Thickness	125 µm
Colour	blue
Bonding force	
Peel [1] (N/25 mm)	40
Shear [2] (N/625 mm²)	30
Temperature stability	
Long term °C	- 40 + 120
Short term °C	+ 150

Test method: 1) According to AFERA 5001 2) According to AFERA 5012.

unilink

Double coated tapes, with a variety of carriers.

The unilink range is a comprehensive resource for all fixing and mounting applications, where a carrier is required, for dimensional stability, converting, die cutting or as a barrier film, to migration. PET film is most commonly utilised, as this provides good clarity, dimensional stability and all round environmental resistance. Both pure and modified acrylic adhesive classes are utilised, in many depositions, so as to provide for a very wide area of potential uses. Applications include mounting of nameplates and decals, bonding plastic and decorative trims.

	unilink 110 h+ Article 3102	unilink 4411 ht Article 3358	unilink 4412 ht Article 3092	unilink 4416 h+ Article 3444
Tape thickness	130 µm	220 µm	220 µm	140 µm
Carrier	Non-woven	PET film	PET film	PET film
Thickness		23 µm	23 µm	50 µm
Colour	white	transparent	transparent	white
Adhesive	acrylate, modified	acrylate, modified	acrylate, modified	acrylate, modified
Liner	Si Kraft	PE-Paper	PP film	Si Kraft
Thickness	75 µm	120 µm	70 µm	75 µm
Colour	white	white	red, translucent	white
Bonding force				
Peel[1] (N/25 mm)	25	30	30	24
Shear[2] (N/625 mm²)	45	45	45	45
Temperature stability				
Long term °C	- 40 + 120	- 40 + 120	- 40 + 120	- 40 + 120
Short term °C	+ 160	+ 200	+ 160	+ 150

		unilink 4421 Article 3347	unilink 4431 h+ Article 3446	unilink 5150 hs Article 3796	unilink 4458 Article 4674
Tape thickness		200 µm	320 µm	130 µm	280 µm
Carrier		PET film	PET film	Non-woven	PET film
Thickness		23 µm	23 µm		23 µm
Colour		transparent	transparent	white	transparent
Adhesive		acrylate, modified	acrylate, modified	acrylate, modified	acrylate, modified
Liner		PE-Paper	HDPE film	PP film	PE-Paper
Thickness		120 µm	125 µm	80 µm	120 µm
Colour		white	blue	white	white
Bonding force					
Peel[1] (N/25 mm)	open side	41	35	35	37
	closed side	28			
Shear[2] (N/625 mm²)	open side	5	45	20	20
	closed side	45			
Temperature stability					
Long term °C		- 40 + 70	- 40 + 120	- 40 + 90	- 40 + 90
Short term °C		+ 120	+ 150	+ 120	+ 150

Test method: 1) According to AFERA 5001 2) According to AFERA 5012.

BIOLINK

tape solutions

Biolink Gesellschaft für
Verbindungstechnologien mbH
Brunnenweg 38
D–83666 Waakirchen

Tel. +49 (0) 8021. 504 29 - 0
Fax +49 (0) 8021. 504 29 - 29
info@biolink-tapes.com
www.biolink-tapes.de

Customer Service
Heike Pfriem
Tel. +49 (0) 8021. 504 29 - 22
h.pfriem@biolink-tapes.com