



# Smart adhesives for tape applications

**HOT MELT PRESSURE SENSITIVE ADHESIVES**



# **Bostik adhesives surround you!**

**Logistics & Security Bags**

**Signage & Graphics**

**Insect Trap**

**Automotive**

**Building & Construction**

**Medical Tape**

**Foam Tape**

**Disruptive Innovation**



# BOSTIK WITH YOU

Bostik is a global leader in Hot Melt Pressure Sensitive Adhesives (HMPSA). Working jointly with customers for many years, Bostik has developed an unrivalled level of expertise in a huge range of labels applications. In the Smart Technology Center in France, chemists and experts implement a variety of solutions matching the most demanding industry requirements.



**Bostik Smart Technology Center of Venette, France**

By working with Bostik, you can rely on dedicated teams to support your business, all over Europe. We are eager to work with you, to select the right product and the best service. Bostik's adhesives are recognized worldwide for excellence, quality and performance, and our employees will ensure you find the right solution for your project.





# Logistics & Security Bags

Hot Melt Pressure Sensitive Adhesives are widely used in logistics to close and secure your packaging.

Bostik delivers strong and reliable solutions bringing outstanding adhesion and cohesion balance while securing all your supply chain with polyvalent tapes.

## Close

PRODUCT	APPLICATION	PROPERTIES	VISCO (mPa.s)
TLH 4280E	Versatile packaging tape	High grab on polyvalent substrates Excellent converting properties	13000 (163°C)
TLH 2901E	Difficult substrates	High adhesion on polyvalent substrates High cohesion	22000 (177°C)





## Protect & seal

PRODUCT	APPLICATION	PROPERTIES	VISCO (MPA.S)
TLH 4492E	Security bags	Tearing Resistant (ambient & cold conditions) High grab on LSE	5000 (163°C)
TLH 2299E	Security bags	Tearing Resistance (high temperature) Very high cohesion	22000 (177°C)



## Send

PRODUCT	APPLICATION	PROPERTIES	VISCO (mPa.s)
TLH 4280E	Self adhesive paper envelope	High grab on difficult cardboards and paper Excellent converting properties	13000 (163°C)
TLH 4119E	Packing List	No tunneling effect on PE High grab on LSE and cardboard	15000 (163°C)



## Track

PRODUCT	APPLICATION	PROPERTIES	VISCO (mPa.s)
TLH 4000E	Luggage tape	High initial tack Good shear resistance – reliable product	13000 (163°C)





## Signage & Graphics

Whatever you need in signage and graphics, Bostik offers high performance solutions to produce tapes for graphic mounting, hanging tab and signage.

High tack and cohesion, temperature resistance, and compatibility with a lot of substrates are met using Bostik solutions.

### Show

PRODUCT	APPLICATION	PROPERTIES	VISCO (mPa.s)
TLH 2211ELO	Mounting graphics	Double side tapes High tack and shear Adhesion on rough surfaces	12000 (177°C)
TLH 2299E	Signage application tapes	High tack Excellent shear High temperature resistance	22000 (177°C)



### Hang

PRODUCT	APPLICATION	PROPERTIES	VISCO (mPa.s)
TLH 2281E	Hanging Tab	Ultra high shear Excellent cohesion High temperature resistance	14000 (175°C)
TLH 2211ELO	Felt Pads hooks	High shear Adhesion on difficult substrates Good adhesion/cohesion balance	12000 (177°C)





# Insect Trap

Adhesive is key for insect trap tapes, it provides right level of tack while giving excellent UV resistance even under UV lamps.

Thanks to its expertise in this niche market, Bostik has developed a wide range of innovative products for this application.

PRODUCT	APPLICATION	PROPERTIES	VISCO (mPa.s)
TLH 2016E	Board	Standard UV resistance No dripping Aggressive tack	1200 (120°C)
TLH 5429/5E	Board	Suitable under UV lamps No dripping under heat Aggressive tack	750 (110°C)
TRAP ADHESIVE	Rolled film	Good ageing resistance Selective insect catcher Use in fields & greenhouses	300 (110°C)





# Automotive

Automotive industry requires high technical performances, a strong supply chain while optimizing costs.

Bostik delivers reliable innovative solutions for many automotive tape applications with a key focus on innovation and low odour expertise.

## High shear resistance

PRODUCT	APPLICATION	PROPERTIES	VISCO (mPa.s)
TLH 2281E	Hook & Loop	Weight resistant High cohesion at elevated temperature Fast bonding	14000 (175°C)



## Fire retardancy

PRODUCT	APPLICATION	PROPERTIES	VISCO (mPa.s)
TLH 8500E	Flame retardant	Good shear resistance Good peel & tack balance	9000 (163°C)
TLH 2192/9	Flame retardant	Foamable or sprayable	15000 (177°C)







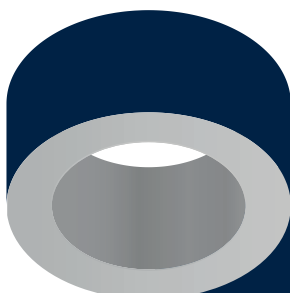
## Wire Harnessing

PRODUCT	APPLICATION	PROPERTIES	VISCO (mPa.s)
TLH 2257ELO	Textile Cable wrapping	Temperature resistance Low odour and VOC Easy unwinding	25500 (177°C)



## Watershield

PRODUCT	APPLICATION	PROPERTIES	VISCO (mPa.s)
TLH 2296ELO	Low odour	Ambient & cold conditions Low odour & VOC Good overall performances	34000 (177°C)
TLH 2299E	High liability	Long life time - High reliability Excellent cohesion and shear resistance High adhesion even on varnished surfaces	22000 (177°C)



**LOW ODOUR TECHNOLOGY**



## Building & Construction

Building & Construction is a very dynamic market always offering innovative bonding solutions. Adhesives are today a key driver to meet the demanding performances through efficient solutions.

Bostik solutions address specific construction needs such as wide temperature window to cover all seasons applications.

## Heating, Ventilation and Air - Conditioning

PRODUCT	APPLICATION	PROPERTIES	VISCO (mPa.s)
TLH 4252HE	HVAC Tape	Duct tape Adhesion on LSE	12000 (163°C)
TLH 2211ELO	Insulation tape	Ageing resistance Heat resistance	12000 (177°C)



## Flooring

PRODUCT	APPLICATION	PROPERTIES	VISCO (mPa.s)
TLH 4252HE	Carpet fixing	White product Good adhesion to various surfaces	12000 (163°C)





## Roofing

PRODUCT	APPLICATION	PROPERTIES	VISCO (mPa.s)
TLH 2216E	Overlapping	High Temperature resistance Low temperature application	22500 (163°C)
TLH 2298E	Overlapping	High shear High temperature resistance	20000 (177°C)



## Window

PRODUCT	APPLICATION	PROPERTIES	VISCO (mPa.s)
THERMORESOL 2212UV	Window Frame tape	UV resistance Good heat resistance	4500 (175°C) (20 RPM)
TLH 2549E	Window Frame	Adhesion on rough surfaces Resistance vs chemicals migration Excellent wettability on rough surfaces High initial grab	10000 (163°C)





# Medical Tape

Medical market uses more and more adhesive solutions to bring higher quality tools to medical professionals while insuring better patient life.

Bostik offers a polyvalent product giving performance on several substrates and applications while passing skin contact regulations.

## One product, many applications

PRODUCT	APPLICATION SKIN CONTACT	KEY FEATURES
TLH 2013E MD	Surgical drapes	Sterilization Hypoallergenic adhesive High cohesion
	Plaster	Water/sweat resistance Transparency
	Strapping bands	Water & sweat resistance Oil resistance
	Electrodes	Transparency
	Sport Tape	Skin contact



**CERTIFICATES**

**Cytotoxicity**  
ISO10993 -5: 2009

**Skin irritation**  
ISO 10993-10: 2010

**Sensitization**  
ISO 10993-10: 2010



# Foam Tape

Foam tape are widely used in many sectors such as transportation and construction. Key features are fast bonding and good anchorage to many types of foam.

Bostik offers today high performance adhesive bringing to your tape high adhesion performance on many surfaces and excellent process-ability.

PRODUCT	APPLICATION	PROPERTIES	VISCO (mPa.s)
TLH 4492E	Automotive Building – isolating foam	Good wettability High initial grab Low viscosity Wide range of service temperature	5000 (163°C)
TLH 4253/1E	Electronics	High cohesion High anchorage on various kind of foams Excellent dimensional stability and die cutting performance	8000 (163°C)



# PHYSICAL PROPERTIES

APPLICATION						REF	VISCO	SHEAR	LOOP TACK	PEEL	PACKAGING
					Medical Tape	2013E MD	4500 (175°C)	**	***	**	
		Insect Trap				2016E	1200 (120°C)	*	*	*	
			Automotive			2192/9E	15000 (177°C)	**	***	**	
	Signage & Graphics			Building & Construction		2211ELO	12000 (at 177°C)	***	***	***	
				Building & Construction		THERMORESOL 2212UV	4500 (175°C)	***	**	**	
				Building & Construction		2216E	22500 (163°C)	***	*	*	
			Automotive			2257ELO	25500 (177°C)	***	***	**	
	Signage & Graphics		Automotive			2281E	14000 (175°C)	****	*	**	
			Automotive			2296ELO	34000 (177°C)	****	**	**	
				Building & Construction		2298E	20000 (177°C)	****	**	**	
Logistics & Security Bags	Signage & Graphics		Automotive			2299E	22000 (177°C)	****	***	**	
				Building & Construction		2549E	10000 (163°C)	*	**	*	
Logistics & Security Bags						2901E	22000 (177°C)	**	***	***	
Logistics & Security Bags						4000E	13000 (163°C)	**	***	**	
Logistics & Security Bags						4119E	15000 (163°C)	*	***	*	
				Building & Construction		4252HE	12000 (163°C)	**	*	*	
					Foam Tape	4253/1E	8000 (163°C)	*	***	*	
Logistics & Security Bags						4280E	13000 (163°C)	**	***	**	
Logistics & Security Bags					Foam Tape	4492E	5000 (163°C)	*	**	*	
		Insect Trap				5429/5E	750 (110°C)	*	*	*	
			Automotive			8500E	9000 (163°C)	**	***	**	
		Insect Trap				Trap adhesive	300 (110°C)	*	*	*	

	Logistics & Security Bags		Medical Tape
	Signage & Graphics		Foam Tape
	Insect Trap		Free Pack
	Automotive		Drum
	Building & Construction		

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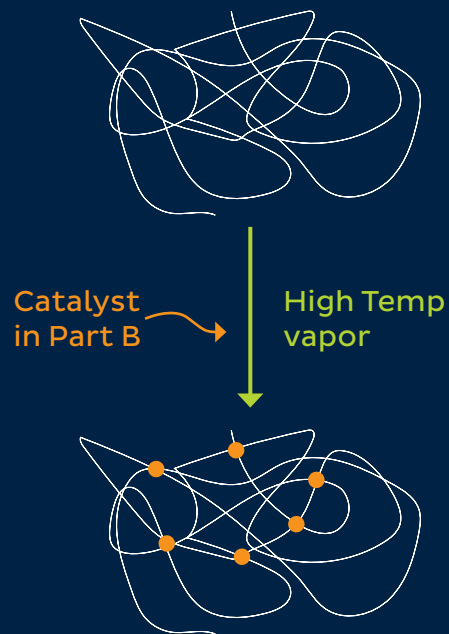
# Disruptive Innovation

## REACHING NEW PERFORMANCE HEIGHTS WITH BOSTIK'S INNOVATIVE CHEMISTRY

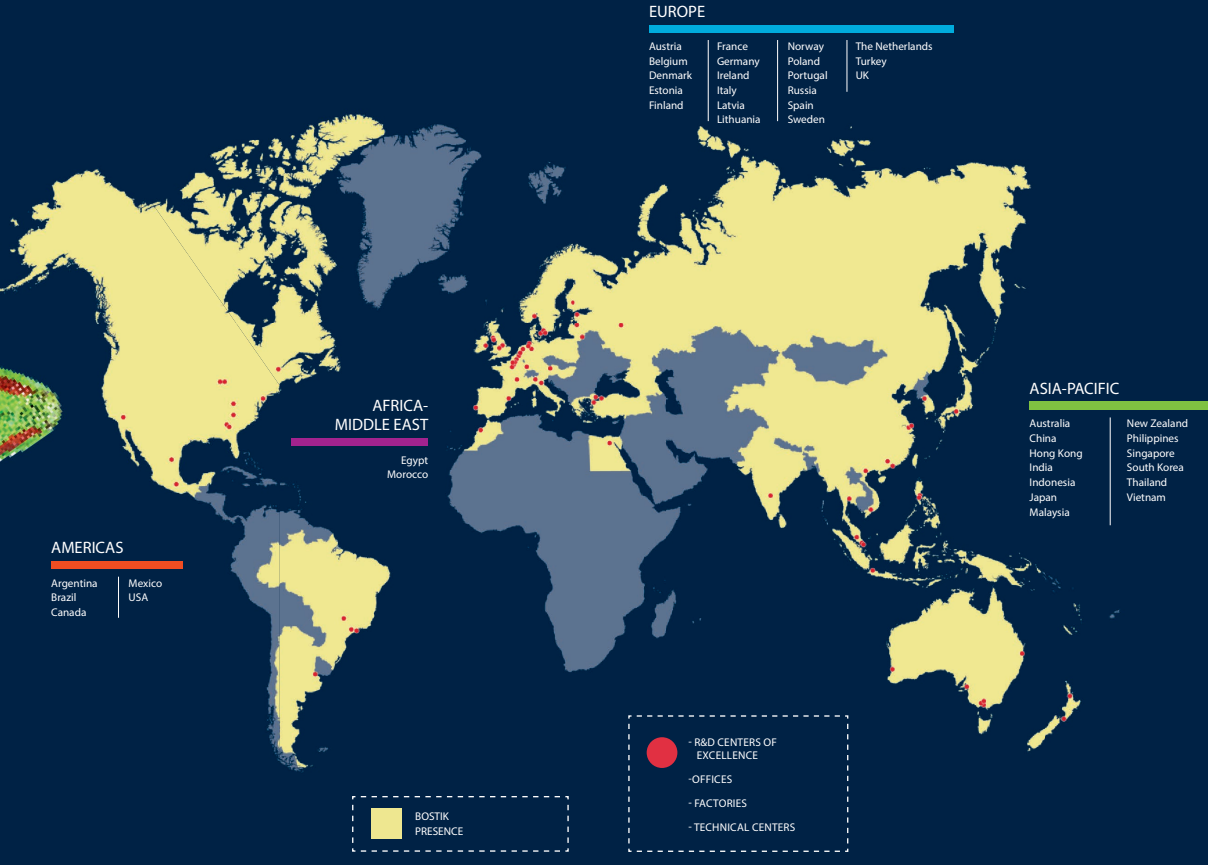
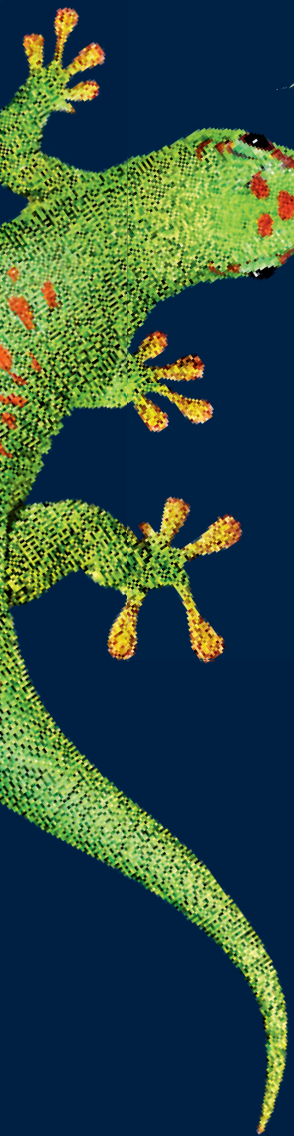
Bostik's expertise in silylated modified polymer synthesis allows us to cover a wide range of chemical structures and networks with cohesion and adhesion.

Due to its ability to cross-link and give a 3D network, our silylated modified polymer-based PSA can achieve high performance in temperature and solvent resistance. We can fine-tune the chemistry, molecular weight, level of silane functionalities and leaving groups to design PSAs with a range of elongation, different temperature resistance levels, and balanced adhesion and cohesion.

Part A containing at least a silylated modified polymer



PRODUCT	APPLICATION	PROPERTIES	SAFT
STL 4025	Multipurpose	Oustanding shear, peel & tack combination Excellent adhesion on PP and PE and all LSE substrates	>170°C
STL 3324	Tape, Foam tape	Oustanding shear, peel & tack combination Excellent adhesion on stainless steel	>170°C



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