



Soft & Smart lamination

SMART ADHESIVES FOR TEXTILE & SOFT LAMINATION



TEXTILE & SOFT LAMINATION

Adhesives are used for lamination in various industrial areas: from building industry for lamination of polypropylene foils and fleeces, to the automotive industry for self-adhesive coating of insulation materials and also many daily applications like foams and sponges.



CLOTHING

- > Sportswear
- > Protective wear
- > Fine lingerie



AUTOMOTIVE

- > Seat covering
- > Headliners
- > Doors



MEDICAL

- > Medical
- > Hygiene products
- > Disposable



BUILDING

- > Insulation membrane
- > Ridge & hip
- > Floor covering



FURNITURE

- > Upholstery
- > Home textile
- > Mattress



INDUSTRIAL

- > Sponges & scrubs
- > Abrasive pads
- > Sound damping pads

SOLUTION PARTNER DRIVEN BY EXPERIENCE

World leader in smart adhesives

We innovate with our customers through a global R&D network, including 3 international Smart Technology Centers and 11 regional centers.

Bostik's global network, backed by Arkema's footprint, ensures fully integrated production and centralized competencies. Our technical support team works closely with customers and anticipates future needs.

Bostik expertise in soft lamination

We offer versatile products suitable for multi-purpose applications, to simplify your processes and warehousing.

Our know-how goes beyond developing innovative and high-performing adhesives. Bostik is improving your production with time and cost-saving solutions, making your operations more efficient and competitive.



SELECTING THE RIGHT SOFT LAMINATION ADHESIVE

There are several factors to choose the right lamination adhesive:

Pick the right technology

Substrate compatibility depends directly on the chemistry of the polymer. Each polymer offers unique benefits for performance, handling time and manufacturing throughput.

Consider the process compatibility

Solvent and water-based adhesives require evaporation to activate the bonding performance, while hotmelts need to be applied at higher temperatures. The coating weight, speed line and curing time are all to be taken into account in the choice of the right material.

Meet the final properties

The mechanical properties and bonding resistance needed differ for each application. Garments need to withstand repeated washing cycles, while medical sheets might be sterilized at high temperature.

Featured product : SUPERGRIP® 90LE

SUPERGRIP 90LE is a reactive polyurethane hotmelt. It is a disruptive and innovative technology especially developed for the future needs in soft lamination.



VERSATILITY

SG90LE is applicable on a variety of **substrates**, including fragile substrates, and is adaptable to your current **process** equipment.



SAFETY

With **no CMR** classification and a **low temperature** of application, SG90LE ensures a safe use.



PROCESSABILITY

With an easy **Start & Stop**, a good behavior at **high speed** and a large application **temperature range**, SG90LE has an excellent processability.



SOFT LAMINATION ADHESIVE HIGHLIGHTS

Bostik's products cover the unique requirements of each application in soft lamination to match your unique needs. Our broad technology portfolio includes hotmelts, water-based dispersions, solvent-based adhesives as well as webs and films, for a variety of substrates and processes. Below are our most used adhesives for soft lamination.

Hotmelt adhesives

To laminate or to bond, Bostik polyolefins (PO) hotmelts cover a wide range of substrates, application methods and final requirements, from mattresses to insulation materials.

PRODUCT	TECHNO	CHARACTERISTICS	APPLICATION RANGE (°C)	VISCOSITY (mPa.s)
TH 2157	HM PO	For insulation membrane <ul style="list-style-type: none"> • Good wettability and flexibility • Very good temperature resistance 	170-190	4.500 @190°C
TRESOL FP 5020	HM PO	For automotive, foams and textile <ul style="list-style-type: none"> • Sprayable adhesive • Very high initial cohesion with long open time 	160-180	6.500 @175°C
XT 19067/1	HM PO	For foam, non woven and mattress assembly <ul style="list-style-type: none"> • Long open time • Excellent initial tack and cohesion 	150-160	3.500 @175°C

Pressure-sensitive hotmelt adhesives

Bostik pressure-sensitive hotmelt adhesives (HMPSA) offer easy application and high resistance to shear and peel for a durable bonding in many applications, such as automotive or building industry.

PRODUCT	TECHNO	CHARACTERISTICS	APPLICATION RANGE (°C)	VISCOSITY (mPa.s)
TH 720	HM PSA	For non-woven and films <ul style="list-style-type: none"> • Transparent in thin layer (sprayable) • Good adhesion on PE material 	160-180	4.800 @150°C
TLH 2215 E	HM PSA	For over lapping applications <ul style="list-style-type: none"> • High temperature resistance • Good behavior at low temperature 	160-180	22.500 @160°C
TH 4500	HM PSA	For foils and PO films bonding <ul style="list-style-type: none"> • Superior temperature resistance • High shear performance 	160-180	27.000 @175°C

Liquid Polyurethane adhesives

For difficult substrates, sponges, scrubs and specific processes, Bostik proposes a complete range of water-based, solvent-based and liquid polyurethane adhesives providing high strength, fast curing and washing resistance.

PRODUCT	TECHNO	CHARACTERISTICS	APPLICATION RANGE (°C)	VISCOSITY (mPa.s)
NOVAFLEX NM 36	Liquid 1C-PU	For sponges, foams, scrubs, sound damping pads <ul style="list-style-type: none"> • Good flexibility • Odorless after curing 	Room temp.	Room temp.
AQUAGRIP 620	WB-PU	For textiles, leather, PVC and non-woven <ul style="list-style-type: none"> • Extreme peeling resistance • High performance after heat reactivation 	Room temp.	Room temp.

Reactive Polyurethane hotmelt adhesives

For the most demanding applications, moisture-curing polyurethane hotmelts (HMPUR) from the SUPERGRIP® range offer unique high resistance and adhesion on the most difficult substrates. From technical lamination of fluorocarbon treated textiles or membranes, medical and protective wear, those adhesives are the answer to the most demanding applications. Our HMPUR range in 3 words:



VERSATILITY



EFFICIENCY



QUALITY

With high process efficiency, solvent free and high final performance, SUPERGRIP® products provide quality and durability, as well as exceptional soft touch with minimal grammage.

PRODUCT	CHARACTERISTICS	APPLICATION RANGE (°C)	VISCOSITY (mPa.s)
SUPERGRIP 90LE	For processability performance <ul style="list-style-type: none"> • Very good thermal stability • Low application temperature • Excellent HSE behavior (<1% free monomers) 	75-85	ca. 5.000 @90°C
SUPERGRIP 9219	For high speed process <ul style="list-style-type: none"> • Excellent washing and sterilization resistance • Low viscosity for fast processing • Versatile product for textile and foils 	90-100	ca. 850 @100°C
SUPERGRIP 9220	For general textile lamination <ul style="list-style-type: none"> • Good wettability on foams and treated fabrics • Very long open time • Good hydrolysis resistance 	70-90	ca. 6.000 @90°C
SUPERGRIP 9224	For water repellent fabrics and membranes <ul style="list-style-type: none"> • Exceptional wettability • Good nozzle application behavior for high speed process • High initial tack 	90-100	ca. 20.000 @90°C
SUPERGRIP 9238	For difficult substrates <ul style="list-style-type: none"> • Good adhesion on PVC, PU foam, PP non-woven, PTFE, etc. • Excellent hydrolysis resistance • High temperature resistance 	90-110	ca. 10.000 @110°C



We also provide a range of polyurethane cleaners usable at various application temperatures on main equipment, such as slot die nozzle, roll coater or heated plate.





Smart Help: contact.assembly@bostik.com

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