



Flexible Packaging

SMART, SAFE SOLUTIONS
FOR FLEXIBLE LAMINATION



The Supplier of Choice in Flexible Packaging



Bostik is part of Arkema, a **leading global designer of materials and innovative solutions**. Together, Arkema and Bostik employ 20 000 specialty chemical experts around the world. Backed by their expertise, Bostik can offer our clients the benefit of **chemical integration**.

POLYMER LEADER WITH BOLD IDEAS

INNOVATION & DISTINCTION

- > Bold product development
- > Pioneer of unique solutions
- > Insight into market trends



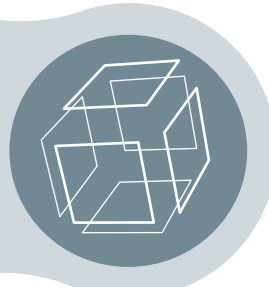
WORLD CLASS PARTNER

- > Worldwide presence and production footprint; differentiated service, in-person support
- > Customer-centric co-development
- > Global key account organization



COMPREHENSIVE SOLUTIONS

- > Broad product offering
- > Wide variety of adhesive technologies available
- > Global R&D network



LEGACY OF EXCELLENCE

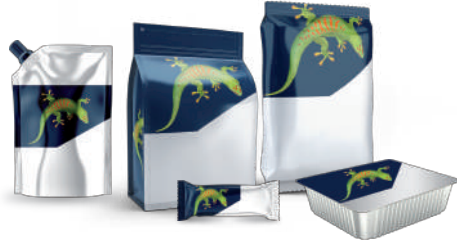
- > Recognized industry leader
- > Efficiency
- > Best-in-class quality



IN TOUCH WITH YOUR NEEDS

FOOD

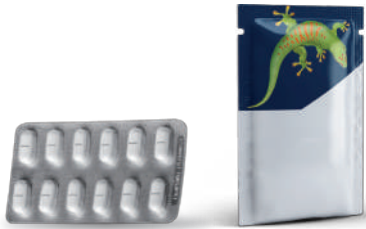
- > Food safety and regulatory proficiency
- > Production and supply chain excellence
- > Processes for extreme conditions (boiling and retort)
- > Packaging for aggressive food types, including spices and acids
- > Design innovation support



Customer-focused team of experts
in **food safety & regulations**

PHARMA

- > Pharmaceutical regulatory standards
- > Advanced retort processes
- > Strong stress resistance
- > Special procedures



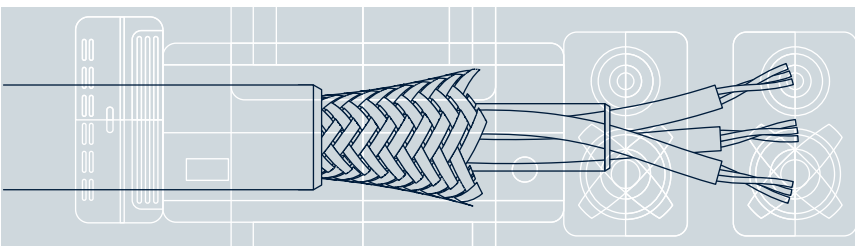
PERSONAL & HOME CARE

- > Skin contact regulatory standards
- > Chemical resistance
- > Pre-cut compatibility



INDUSTRIAL

- > Heavy duty applications
- > Special resistance to :
Extreme temperatures /
UV ray aging / electricity / humidity



Multilayer Expert

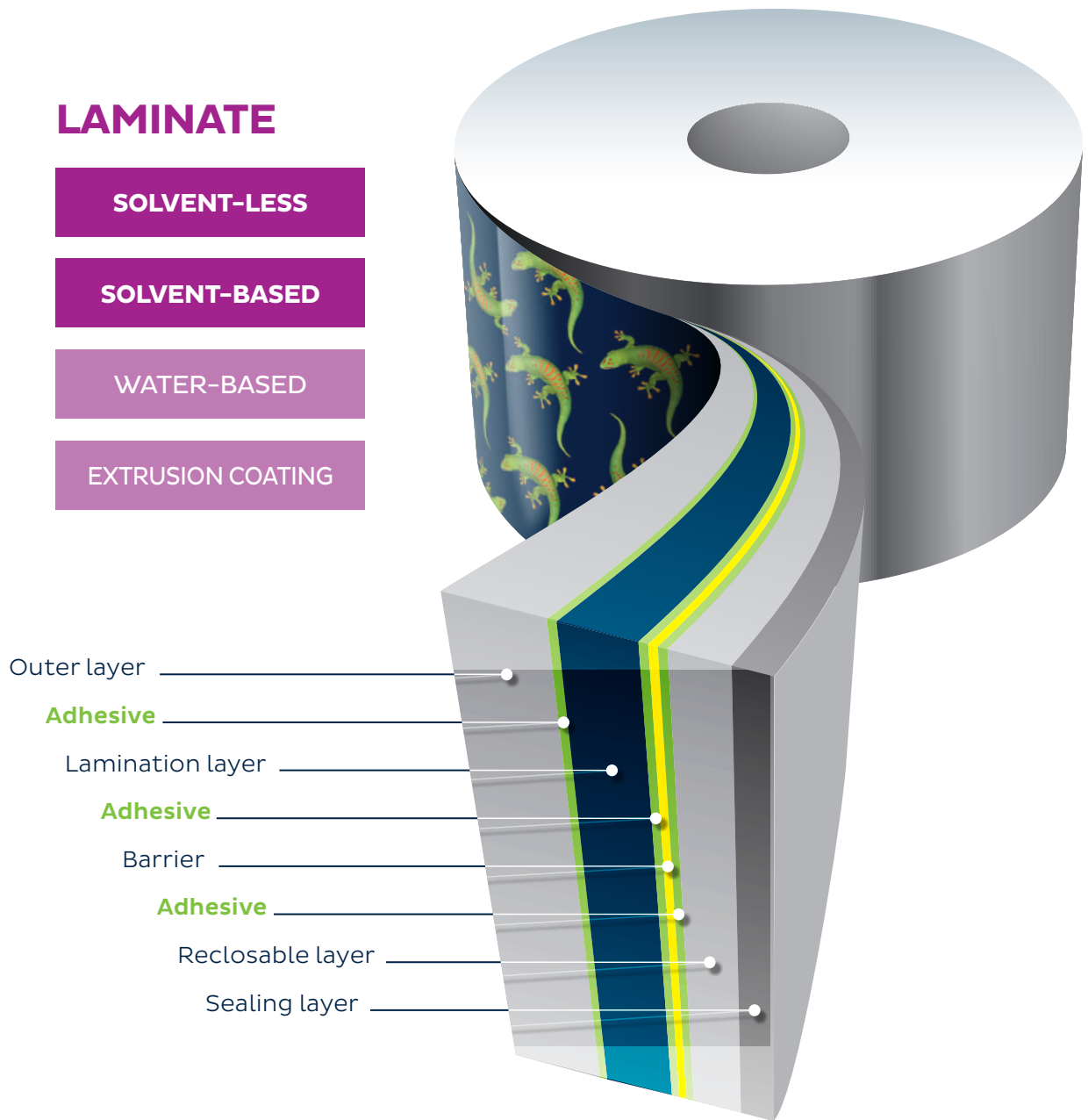
LAMINATE

SOLVENT-LESS

SOLVENT-BASED

WATER-BASED

EXTRUSION COATING



Outer layer

Adhesive

Lamination layer

Adhesive

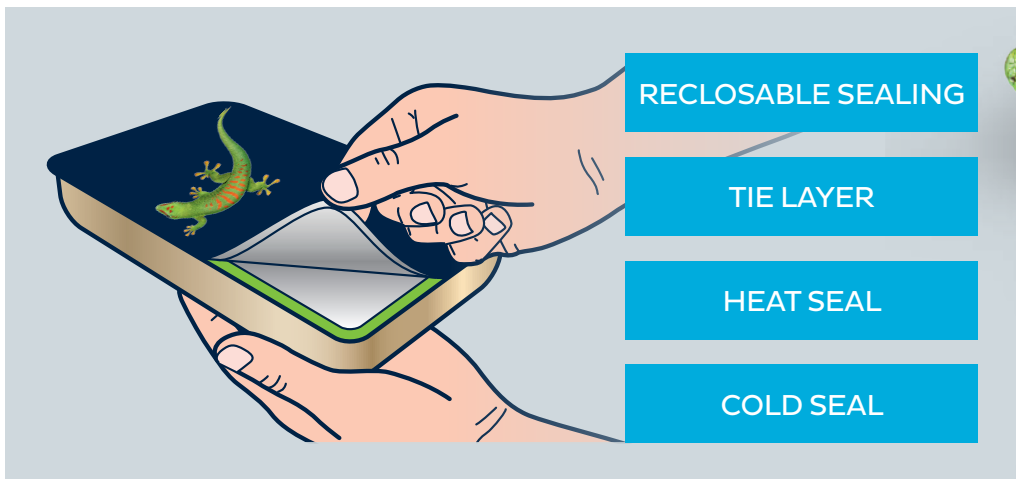
Barrier

Adhesive

Reclosable layer

Sealing layer

SEAL & RESEAL



RECLOSABLE SEALING

TIE LAYER

HEAT SEAL

COLD SEAL



World-class Technical Support

PERSONALIZED SERVICE

- > At the forefront of the flexible lamination market
- > Recognized expertise in key applications
- > Supplier of choice for joint innovation
- > Dedicated teams produce high-quality, trustworthy products
- > Solutions and services to support your organization
- > Products available worldwide with local support staff
- > Proficiency in regulatory affairs and safety standards



ADDRESSING MEGA TRENDS

Alternative Chemistries

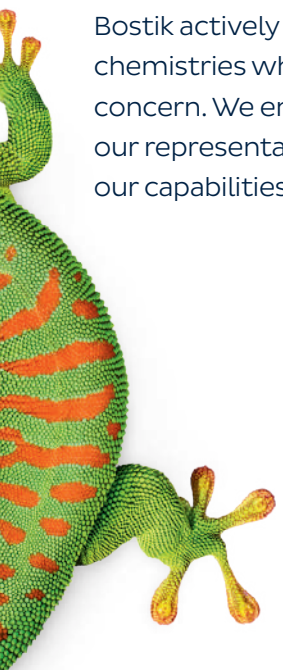
Bostik actively explores alternative chemistries while avoiding substances of concern. We encourage you to contact our representatives to learn more about our capabilities in this area.

Circular Economy

Sustainability is a core value for Bostik and Arkema. Bostik develops adhesives that enable plastic recycling and help reduce the packaging footprint and its effect on the environment.

Industry 4.0

Bostik and Arkema are propelling the industry forward. We are developing and bringing to the market solutions that make industrial manufacturing safe, smart and connected and are achieving higher quality, greater output and reduced downtime.



BOSTIK SOLVENT-FREE PRODUCTS PORTFOLIO

APPLICATION



LAMINATION



BOILING
(100°C, 40min)



RETORT



SPECIALTIES

LF 794



INNER

TESTING PHASE

PET/AL/PA/CPP
PET/AL/RCPP
Paper/PE/AL/PE

HIGH PERFORMANCE

LF 760

The Smart Choice



INNER

with
H330

- ✓ PAA free
- ✓ Non-Yellowing
- ✓ Efficiency
- ✓ High bond on Alu Foil

- with
H180
- ✓ Foil Retort
 - ✓ Chemical resistance
 - ✓ NY/PE gas filled boiling

Mono-component system

LF 520

Most Versatile



with
H107

- ✓ Easy Use
- ✓ Best Pot life
- ✓ Stable COF
- ✓ Heat resistant

PET/Met PET/PE
PET/AL/PE
OPP/PA/PE
PET/PA/PE
PET/PA/PE
PA/PE (higher micron)

MEDIUM PERFORMANCE

LF 475

Cost Effective



with
H297

- ✓ Standard pouch
- ✓ Film/film boolog

OPP/MPET/CPP
OPP/AL/PE
OPP/MPET/PE
PET/MPET/PE
PET/MCPP
PET/PE
OPP/PE
OPP/CPP

STANDARD PERFORMANCE

LF 225

Best for
PET/MPET



with
H300M

- ✓ Low metalization transfer
- ✓ 1:1 mix






LF 118 or
LF 190
✓ For Paper, Film
✓ Zipper pouch

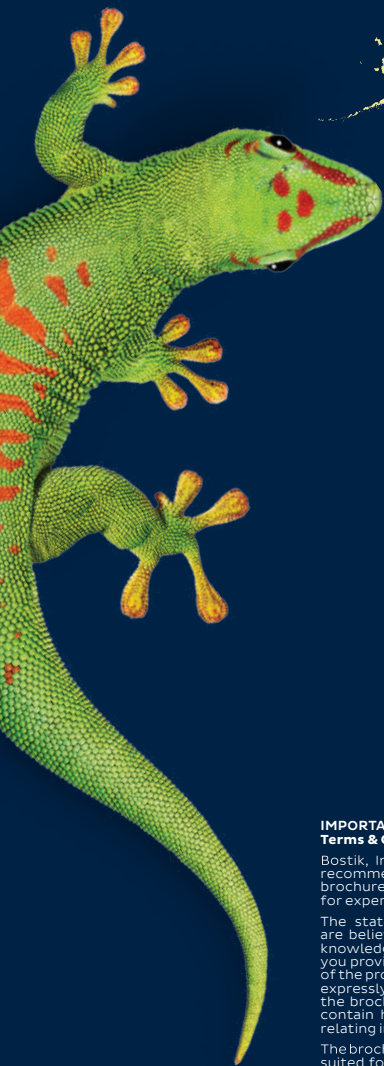
LF 190X3
✓ For Paper, Film, Alu
✓ Heat Resistant
✓ Pharma Application

SUBSTRATE

BOSTIK SOLVENT-BASED PRODUCTS PORTFOLIO

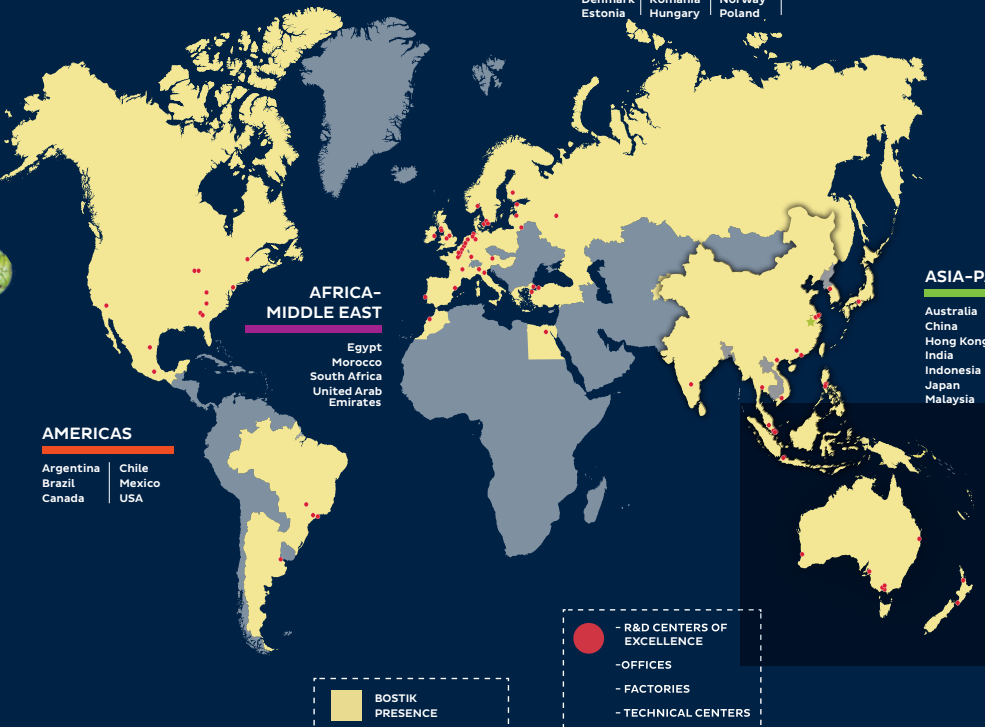
APPLICATION

	LAMINATION	BOILING (100°C, 40min)	RETORT	COLD FORMING	CHEMICAL RESISTANCE	SPECIALTIES	
SUBSTRATE	<p>UHP 150 The Smart Choice</p> <p>EPS 6560-G With Glymo Free Version</p> <p>LG 59A OR EP 2926/C2 Efficiency High initial tack</p> <p>MP 1009</p> <p>EPS 7380 OR EPS 7280 Universal</p> <p>LG 9780N</p>						
		<p>HIGH PERFORMANCE</p> <p>PET/AL/PA/CPP PET/AL/RCPP Paper/PE/AL/PE</p>	<p>INNER & OUTER LAYER RETORT</p> <p>with KN75</p> <ul style="list-style-type: none"> ✓ Good heat resistance ✓ Excellent heat peel ✓ Good chemical resistance 	<p>INNER & OUTER LAYER RETORT</p> <p>with CAT B</p> <ul style="list-style-type: none"> ✓ NCO terminated ✓ Slip acceptance ✓ Film/Foil retort 	<p>TESTING PHASE</p> <p>with CX</p> <ul style="list-style-type: none"> ✓ Aliphatic ✓ Room Temp Curing ✓ Fast cure ✓ FDA 177.1390 	<p>HP 8660/KN75</p> <ul style="list-style-type: none"> ✓ EP5660 glymo free version ✓ Excellent chemical resistance ✓ Low metalization transfer 	
		<p>MEDIUM PERFORMANCE</p> <p>PET/MPET/PE PET/AL/PE OPP/PA/PE PET/PA/PE PET/PAPE PA/PE(higher micron)</p>	<p>OUTER LAYER RETORT</p> <p>with KS75</p> <ul style="list-style-type: none"> ✓ Slip acceptance 	<p>As mono-component</p>	<p>with C10</p> <ul style="list-style-type: none"> ✓ Aliphatic ✓ FDA 175.105 ✓ Non-yellowing 		<p>EP 2926</p> <ul style="list-style-type: none"> ✓ Primer or Anchor coat as 1K
<p>STANDARD PERFORMANCE</p> <p>OPP/MPET/CPP OPP/AL/PE OPP/MPET/PE PET/MCPP PET/PE OPP/PE OPP/CPP</p>	<p>with KN75</p> <ul style="list-style-type: none"> ✓ High working solids ✓ Low metalization transfer ✓ Metalized boiling 		<p>with C1</p> <ul style="list-style-type: none"> ✓ Room Temp Curing ✓ Adhesion Boost 		<p>EPS 71/KN75</p> <ul style="list-style-type: none"> ✓ Primer or Anchor coat 		



EUROPE

Austria	Finland	Ireland	Portugal	The Netherlands
Bulgaria	France	Italy	Russia	Turkey
Belgium	Germany	Latvia	Spain	UK
Croatia	Greece	Lithuania	Sweden	
Denmark	Romania	Norway		
Estonia	Hungary	Poland		



IMPORTANT – PLEASE READ BEFORE USING Terms & Conditions

Bostik, Inc. ("Bostik") specifies the conditions wherein technical information and recommendations contained in its documentations may be used. Bostik offers this brochure for descriptive and informational use only. The brochure is not a substitute for expert or professional advice.

The statements, technical information and recommendations contained herein are believed to be accurate as of the date hereof. The brochure relies upon your knowledge and input, and as such, its results are based solely upon the information you provide and the choices that you make. Since the conditions and methods of use of the products and the information referred to herein are beyond our control, Bostik expressly disclaims any and all liability and damages that may arise from any use of the brochure, the products, the results therefrom, or reliance on the information contain herein, and you hereby agree to waive any and all claims against Bostik relating in anyway thereto.

The brochure is one of several tools that may be used to help you find the product best suited for your needs. It is used at your own risk, and by using it, you are knowingly accepting and assuming any and all risks associated with its use, recommendations, output and your selections. You are responsible to test the suitability of any product in advance for any intended use. Bostik does not guarantee the reliability, completeness, use, or function of the brochure or any recommendations arising therefrom. The data and information contained in the brochure is provided 'AS IS'.

The information provided herein relates only to the specific products designated and may not be applicable when such products are used in combination with other materials or in any process. **Bostik encourages you to always read and understand (1) the Technical Data Sheet ("TDS") and (2) the Safety Data Sheet ("SDS") for all products before use.** The SDS contains the necessary information related to prevention and safety related to the use of a product. In addition to information about the product's properties, it provides recommendations about storage, conditions of use, handling, transportation of the product (hazard level, packaging groups), elimination or destruction and the procedure in the event of an accident. The Safety Data Sheets for our products can be found at <http://www.bostik.com/us/tools-and-training/bostik-sds/>. Also, Technical Data Sheets for our products can be found at <http://www.bostik.com/us/tools-and-training/bostik-tds/>. You are welcome and encouraged to contact your customer service representative to discuss your specific requirements and to determine what product is appropriate for you and your applications.

NO WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE OR WARRANTY OF

MERCHANTABILITY, EXPRESSED OR IMPLIED, IS MADE CONCERNING THE PRODUCTS DESCRIBED OR THE INFORMATION PROVIDED HEREIN, AND SUCH WARRANTIES ARE HEREBY DISCLAIMED. Additionally, Bostik disclaims any liability for direct, incidental, consequential, or special damages to the maximum extent allowed by law. (Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations may not apply to you.)

Nothing contained herein constitutes a license to practice under any patent, and it should not be construed as an inducement to infringe any patent. You are advised to take appropriate steps to be sure that any proposed use of the products will not result in patent infringement.

Medical Device Disclaimer

Bostik has implemented a policy regarding the use of Bostik products in Medical Devices applications that are in contact with the body or circulating bodily fluids. Bostik strictly prohibits the use of any Bostik products in Medical Device applications that are implanted in the body or in contact with bodily fluids or tissues for greater than 30 days. The Bostik trademarks and the Bostik name shall not be used in conjunction with customers' medical devices, including without limitation, permanent or temporary implantable devices, and customers shall not represent to anyone else, that Bostik allows, endorses or permits the use of Bostik products in such medical devices.

It is the sole responsibility of the manufacturer of the medical device to determine the suitability (including biocompatibility) of all raw materials, products and components, including any Bostik products, in order to ensure that the final end-use product is safe for its end use, performs or functions as intended, and complies with all applicable legal and regulatory requirements (FDA or other national drug agencies). It is the sole responsibility of the manufacturer of the medical device to conduct all necessary tests and inspections and to evaluate the medical device under actual end-use requirements and to adequately advise and warn purchasers, users, and/or learned intermediaries (such as physicians) of pertinent risks and fulfill any post market surveillance obligations. Any decision regarding the appropriateness of using a particular Bostik material or product in a particular medical device should be based on the judgment of the manufacturer, seller, the competent authority, and the treating physician.

Acceptance of Terms & Conditions

By using this brochure, you are hereby consenting and agreeing to the above terms and conditions of use, and you agree to waive certain rights as set forth herein.

(Revised May 3, 2016)