



**BOSTIK**

# Flexible Lamination

**SMART & SAFE SOLUTIONS  
FOR CIRCULAR PACKAGING**



Adhesive solutions by **ARKEMA**

# Bostik: a global leader in adhesive technologies

Bostik is a division of Arkema, a top global provider of cutting-edge materials and solutions. Bostik adhesives are used in the manufacture and assembly of products in a wide range of sectors, including advanced packaging & converting, hygiene, paper & cardboard, and durable goods.

## A RANGE OF CHEMISTRIES AND TECHNOLOGIES TO ADDRESS THE ENTIRE PACKAGING CHAIN

### INNOVATION & DISTINCTION

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

### SUSTAINABILITY ENABLERS

- > Ambitious goals in sustainable development
- > Life Cycle Assessment
- > Third party certifications for circular packaging solutions

**WE ARE**  
SUSTAINABILITY  
*enablers* ✨ ✨ ✨  
Join our movement

### WORLD CLASS PARTNER

- > Worldwide presence and production partner
- > Customer centric organization
- > Global key account management

### LEGACY OF EXCELLENCE

- > Recognized industry leader
- > Committed to efficiency
- > Best-in-class quality

## A GLOBAL AND HOLISTIC APPROACH TOWARD SUSTAINABILITY IN LAMINATED FLEXIBLE PACKAGING



### Enabling Circularity

**Mechanical recycling** for mono-material structures

### Environmental Care

**GHG** emissions reduction

### Food Safety. Anticipating regulatory changes

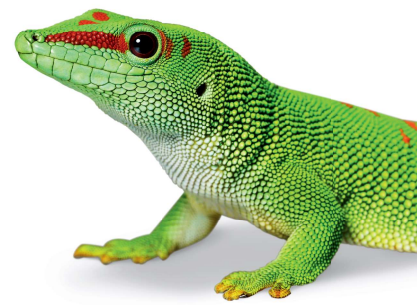
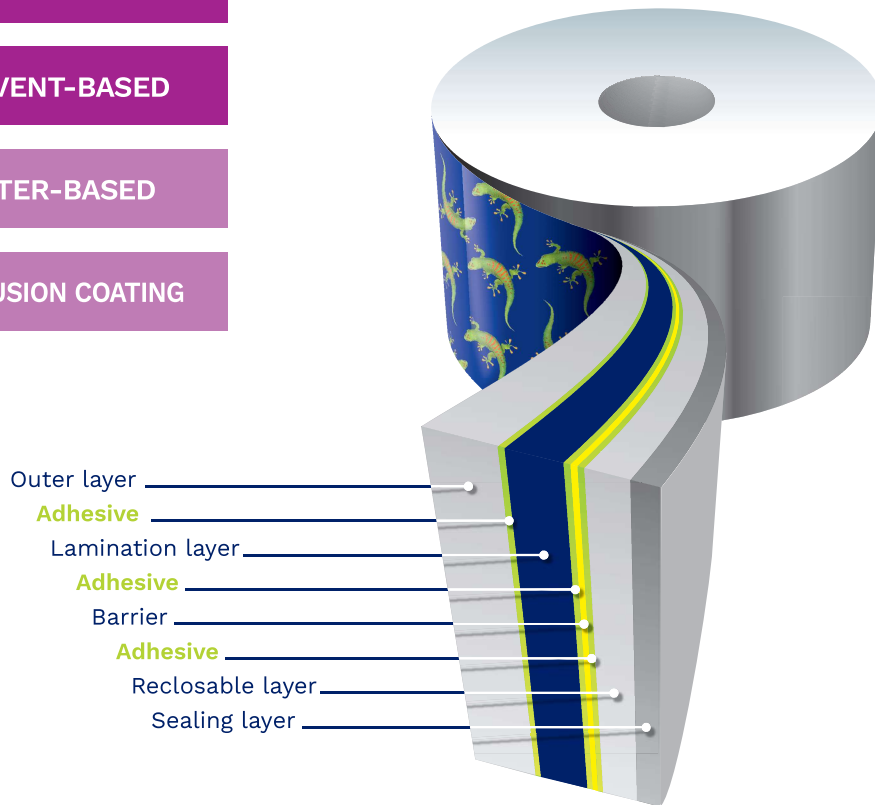
Flexible packaging **free of all substances of concern:**  
PAA, Glymo, Cyclic esters, BPA. Peace of mind!

### Converting Efficiency

**Energy and cost saving solutions** such as curing time reduction and streamlined processes

# Your Multilayer and Mono-material Expert

- SOLVENT-LESS
- SOLVENT-BASED
- WATER-BASED
- EXTRUSION COATING



## World-class Technical Support

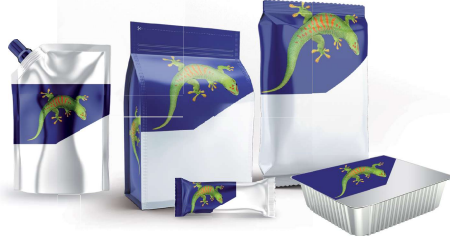
- > Supplier of choice for joint innovation, with full support of our R&D teams
- > Support to packaging development with advanced pilot converting laboratories
- > Customer focused team of experts for changing regulations and market trends
- > Responsive and reactive global supply chain and local support
- > Technical assistance around the world to support your organization



# 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**

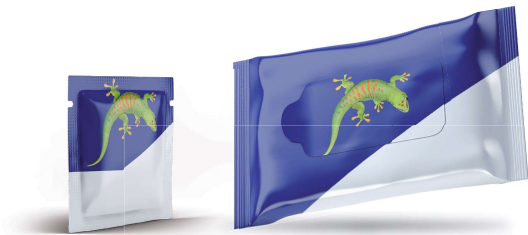
## PHARMA

- > Pharmaceutical regulatory standards
- > Fit for advanced sterilization processes
- > High stress resistant adhesives



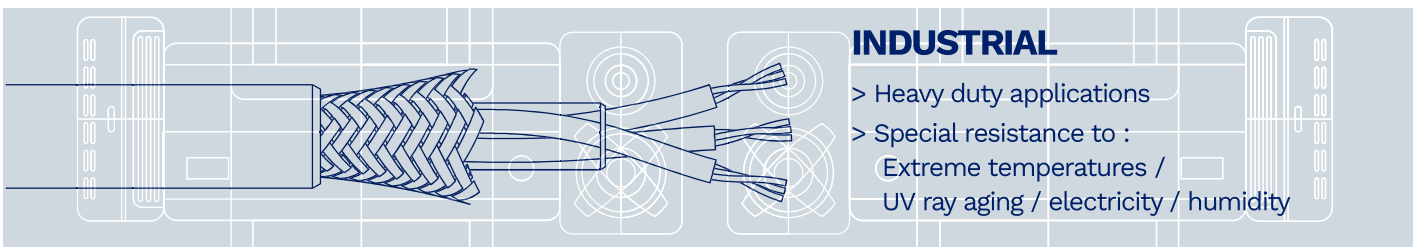
## PERSONAL & HOME CARE

- > Meeting skin contact regulatory standards
- > Chemical resistant adhesive



## INDUSTRIAL

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



# SF10M

RecyClass approved Laminating Adhesive for recyclable Mono-Material Packaging

- > Recyclass approved as fully compatible with the PE films recycling stream in Europe
- > Easy to process, even at high line speeds
- > Solvent free 2K system
- > Suitable for laminates consisting of unprinted/printed films & metallized BOPP



Bostik's next generation of adhesives are designed with circularity in mind. Our extensive upfront testing ensures that packages made with our Recyclass approved adhesives will seamlessly flow through the recycling infrastructure of today and tomorrow.

	Effect on recycle PE*	Conventional 2KPU Laminating adhesive	Bostik SF10M designed for circularity
	Recyclass Approved	NO	YES
	Yellowing (+b*)	+168%	+15%
	Ash content	+500%	+7%
PCR Film Properties	Dart impact strength	-48%	+0%
	Haze	+4%	+0%

Both adhesives tested against the specifications of the Recyclass protocol for PE films.  
\*Recyclate PE = 50% laminate/50% virgin LDPE

## About RecyClass

Recyclass is a non profit, comprehensive cross industry initiative that advances plastic packaging recyclability and ensures traceability and transparency of recycled plastic content in Europe.

**SOLVENT-FREE LAMINATION**

**APPLICATION**



LAMINATION



BOILING PASTEURISATION



RETORT



SPECIALTIES

PET/ALU/OPA/CPP  
 PET/ALU/CPP  
 ALU/CPP  
 PETSiox/OPA/CPP  
 PET/AlOx/OPA/CPP  
 PETSiox/CPP  
 PET/PEevohPE  
 BOPA/PEevohPE

HIGH PERFORMANCE

**2KLF 760**  
 The Smart Choice



with **H330**  
 ✓ PAA Free  
 ✓ Non-Yellowing  
 ✓ Efficiency  
 ✓ High Bond on Alu Foil



**MP 985**  
 Faster Low PAA



with **H130**  
 ✓ Low PAA  
 ✓ High Bond on Alu Foil

**2KLF 520**  
 Most efficient



with **H107**  
 ✓ Easy Use  
 ✓ Best Pan Life  
 ✓ Wettability  
 ✓ Efficiency

**2KLF 515**  
 Adjustable performance



with **MP730**  
 ✓ Standard  
 ✓ Adjustable ratio to need

**MP980**  
 Cost efficiency



with **MP730**  
 ✓ Standard

PET/PE  
 OPP/PE  
 OPP/CPP

STANDARD PERFORMANCE

**Mono-component systems**

**1 KLF 190X3**  
 ✓ For Paper, Film, Alu



**1 KLF 194 or 1 KLF 196**  
 ✓ For Paper, Film, Alu  
 ✓ High Speed  
 ✓ Thermal resistance



**WB lamination**  
 DRF 25

**Extrusion lamination**  
 TEE431

**SUBSTRATES**

# SOLVENT-BASED LAMINATION

## APPLICATION



LAMINATION



BOILING PASTEURISATION



RETORT



COLD FORMING



CHEMICAL RESISTANCE



SPECIALTIES

PET/ALU/OPA/CPP  
 PET/ALU/CPP  
 ALU/CPP  
 PETSiox/OPA/CPP  
 PET/AlOX/OPA/CPP  
 PETSiox/CPP  
 PET/PEevohPE  
 BOPA/PEevohPE

HIGH PERFORMANCE

**UHP Range**  
 Exceptional performance and efficiency

**HP 1614F**  
 Retortable



**LG 59A/70** or **EP 2926**  
 Efficiency High initial tack

OUTER LAYER RETORT

INNER & OUTER LAYER RETORT

with **C1**  
 ✓ Food safety  
 ✓ Green Tack

with **C2**  
 ✓ Universal  
 ✓ Efficiency  
 ✓ Wettability

**EPS 74/1**  
 Versatile



with **C1**  
 ✓ Easy Use  
 ✓ Green Tack

**HP 1020/1**  
 Tough & Flexible



with **C1**  
 ✓ Drop resistance acceptance  
 ✓ Green Tack

or **H7711**  
 ✓ Slip  
 ✓ Drop resistance acceptance

**MP 31**  
 High solid applications



with **C3**  
 ✓ Co-reactant  
 ✓ Slip acceptance  
 ✓ Wettability

**690A 690B**  
 High slip acceptance



TESTING PHASE

**HCP-X 160**  
 High chemical resistance

with **CX**  
 ✓ Aliphatic  
 ✓ Room Temp Curing  
 ✓ Fast cure  
 ✓ FDA 1771390



with **C2**  
 ✓ Universal  
 ✓ Efficiency  
 ✓ Wettability

with **C10**  
 ✓ Aliphatic  
 ✓ FDA 175105  
 ✓ Non-yellowing

**MP 31**  
 ✓ Easy use

**LG 31**  
 ✓ Standard

Mono-component systems

## SUBSTRATES

OPA/PE  
 PA/PE  
 PET/Met PET  
 Met PET/PE  
 PET/ALU/PE

MEDIUM PERFORMANCE

PET/PE  
 OPP/PE  
 OPP/CPP

STANDARD PERFORMANCE

## 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		

## AFRICA- MIDDLE EAST

Egypt  
Morocco  
South Africa  
United Arab  
Emirates

## ASIA-PACIFIC

Australia	New Zealand
China	Philippines
Hong Kong	Singapore
India	South Korea
Indonesia	Thailand
Japan	Vietnam
Malaysia	

## AMERICAS

Argentina	Chile
Brazil	Mexico
Canada	USA

Smart Help :  
[emea.industrial@bostik.com](mailto:emea.industrial@bostik.com)



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