

FLEXIBLE PACKAGING ADHESIVES

Engineered | Performance Trusted Reliability | Global Support



LAMIN8ING
TECHNOLOGY AT YOUR SERVICE

TECHNOLOGY THAT MOVES PACKAGING FORWARD

- ✓ High bond strength and durability
- ✓ Compliance with international food-contact standards
- ✓ Sustainable, low-emission solutions
- ✓ Global production and technical support network

YOUR GLOBAL PARTNER IN FLEXIBLE PACKAGING ADHESIVES

MyChem combines deep technical expertise with global manufacturing and supply capabilities to support converters with reliable, high-performance polyurethane adhesive solutions.

With decades of experience in flexible packaging lamination, we understand the challenges faced by modern converters: higher performance expectations, increasing regulatory pressure, sustainability demands, and the need for consistent supply. Our mission is to turn these challenges into opportunities through innovation, service, and long-term partnership.

WHAT WE DELIVER TO CONVERTERS

- ✓ Reliable bonding performance across diverse substrates
- ✓ Compliance with major international food-contact regulations
- ✓ Efficient solutions for modern high-speed lamination lines
- ✓ Technical support from formulation to production start-up

OUR CORE STRENGTHS



TECHNICAL EXPERTISE

Advanced polyurethane chemistry developed specifically for flexible packaging structures, from standard laminations to high-performance and retort applications.



GLOBAL SUPPLY NETWORK

Integrated production and sourcing model ensuring consistent quality, reliable lead times, and supply security across international markets.



INNOVATION-DRIVEN FORMULATIONS

Continuous product development focused on low-migration, ELM, and monomer-free technologies to meet evolving food safety and environmental standards.

OUR ADHESIVE TECHNOLOGY PORTFOLIO

Complete Solutions for Flexible Packaging Lamination

MyChem offers a full spectrum of polyurethane adhesive technologies designed to meet performance, safety, sustainability and regulatory requirements across all flexible packaging applications.

Our systems are engineered to support modern converting processes, high line speeds and demanding end-use conditions. Designed for every packaging application, MyChem adhesive technologies support converters with reliable, high-performance bonding solutions tailored to each structure and end-use requirement.

	PROPERTIES	BENEFITS
SOLVENT-BASED SYSTEMS	Proven performance for demanding laminations High-performance two-component polyurethane systems ideal for structures requiring strong chemical resistance, high heat resistance, and excellent wetting on complex substrates.	• Excellent bond strength • High resistance to aggressive fillings • Suitable for sterilizable and retort applications
SOLVENT-FREE SYSTEMS	Efficient, sustainable, and high-speed lamination Advanced solventless polyurethane technologies designed for low emissions, improved workplace safety, and reduced energy consumption.	• No solvent emissions • Lower coating weight • High line speeds and process efficiency
ELM SYSTEMS (EXTREMELY LOW MONOMER)	Advanced safety and migration control Specially developed systems with extremely low free monomer content to reduce potential migration and support compliance with evolving food-contact regulations.	• Low residual monomer content • Improved operator safety • Designed for sensitive food packaging structures
MONOMER-FREE SYSTEMS	Next-generation performance and compliance Innovative polyurethane technologies fully free of monomeric isocyanates, combining high performance with improved environmental and workplace safety profiles.	• Enhanced safety for operators • Excellent chemical and temperature resistance • Ideal for moisture-rich and demanding processing environments

GLOBAL MANUFACTURING & SUPPLY NETWORK

MyChem combines European technology with an international production and sourcing structure to ensure reliability, flexibility, and consistent quality for converters worldwide.

Our integrated supply model allows us to respond quickly to market needs while maintaining the technical standards required for high-performance flexible packaging adhesives.

STRATEGIC PRODUCTION HUB

IT **ITALY – TECHNOLOGY & SPECIALTY PRODUCTION**

Our Italian headquarters drives formulation development, quality control, and the production of specialized polyurethane adhesive systems for demanding applications.

TR **TURKEY – REGIONAL PRODUCTION & LOGISTICS**

Strategically located to serve Europe, the Middle East, and surrounding markets with efficient logistics and responsive service.

BUILT FOR RELIABILITY

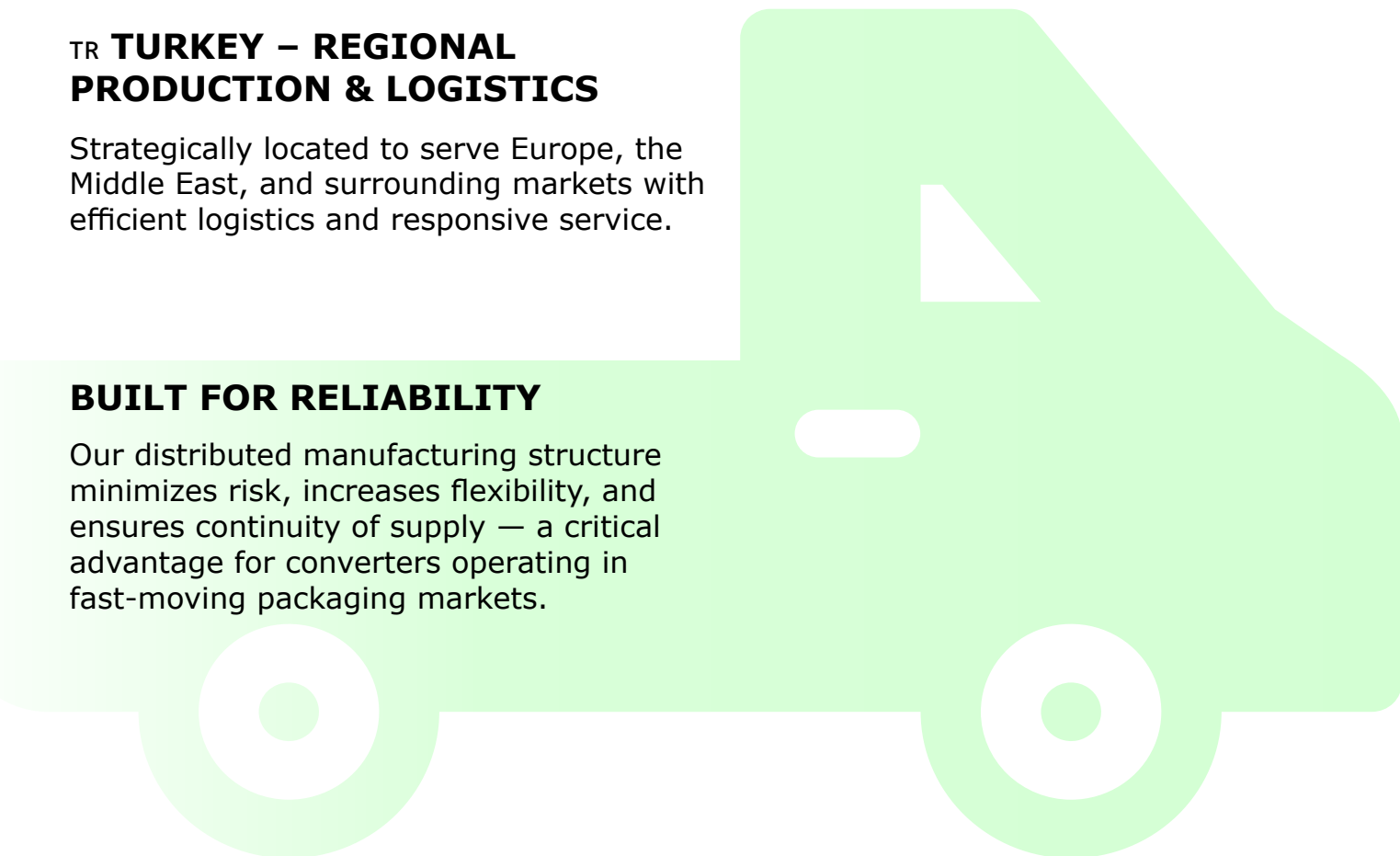
Our distributed manufacturing structure minimizes risk, increases flexibility, and ensures continuity of supply — a critical advantage for converters operating in fast-moving packaging markets.

AN INTEGRATED SUPPLY MODEL

- ✓ Multi-site production for supply security
- ✓ Global sourcing of key raw materials
- ✓ Optimized logistics for reduced lead times
- ✓ Consistent quality standards across all facilities

TH **THAILAND – HIGH-VOLUME MANUFACTURING**

A key manufacturing hub supporting large-scale production and regional supply across Asia and global export markets.



SOLVENT-FREE POLYURETHANE ADHESIVE SYSTEMS

Efficiency, Performance, and Sustainable Lamination Technology

MyChem offers a complete range of solvent-free and two-component polyurethane adhesive systems designed for modern flexible packaging converters. These technologies combine high bond performance, process efficiency, and compliance with evolving food-contact and sustainability requirements. This portfolio includes both the **MyFLEX®** and Essential **FILMEXA®** families, covering standard, high-performance, and sustainability-driven applications.

KEY BENEFITS FOR CONVERTERS

- ✓ Reduced emissions and improved workplace safety
- ✓ Excellent bond strength across diverse substrates
- ✓ High process stability on modern lamination lines
- ✓ Solutions for recyclable and sustainability-oriented structures
- ✓ Systems suitable for food-contact compliant packaging

TYPICAL LAMINATION STRUCTURES

- PET / PE
- OPP / CPP
- MET PET / PE
- Paper / PE
- Foil / PE
- Multi-layer high-barrier structures

MyFLEX® SOLVENT-FREE, TWO-COMPONENT SYSTEMS

Solventless polyurethane systems for a wide range of flexible packaging laminations.

General Purpose, Efficient Adhesion for Standard Converters

Modular System for Clean Bonding in Everyday Packaging

- **MyFLEX SFG 501A / SFG 514B** - Balanced performance for general laminations
- **MyFLEX SFG 501A / SFG 502B** - High initial bond for fast slitting
- **MyFLEX SFG 501A / SFG 524B** - Enhanced chemical resistance

Medium Performance, Balanced Performance for Real-World Lines

Bonding with Enhanced Efficiency

- **MyFLEX SFM 411A / SFM 420B** - High heat resistance for MLP laminations
- **MyFLEX SFM 407A / SFM 414B** - Strong anchorage on aluminum foil and improved wetting

High Performance, Advanced Strength for Tough Lamination

Delivering strength where it matters most

- **MyFLEX SFH 705A / SFH 706B** - Hybrid aliphatic/aromatic, optimum heat resistance and wetting
- **MyFLEX SFH 201A / SFH 202B** - All-round system, high heat and chemical resistance, sterilizable

MyFLEX® SOLVENT-FREE, ONE COMPONENT SYSTEMS

One component. Total efficiency.

- **MyFLEX SFG 818** - Optimized for simplified laminates. Designed for recyclable paper-to-film structures
- **MyFLEX SFM 814** - Low coat weight solution for material reduction
- **MyFLEX SFR 981** - Designed for recyclable paper-to-film structures. Aticelca 501 approved.

ESSENTIAL FILMEXA SOLVENT-FREE SYSTEMS

Balanced polyurethane system designed to meet the majority of everyday lamination needs with predictable, consistent performance.

- **FILMEXA 1015A / 815C** - Precision Performance Through Adjustable Mixing Ratios

This advanced 2-component adhesive system is designed to adapt to your laminate, not the other way around. By adjusting the mixing ratio, converters can fine-tune performance to meet the exact demands of each packaging structure.

Lower B-component levels deliver maximum chemical and thermal resistance, making them ideal for aggressive contents, high-barrier laminates, and demanding applications such as sauces, detergents, and pet food.

Medium ratios are optimized for printed laminates, ensuring strong adhesion over inks and coatings while preserving visual clarity and color stability.

Higher B-component levels enhance optical appearance, flexibility, and processing ease, making them perfect for metalized films and general food packaging where aesthetics and efficiency matter most.

DESIGNED FOR MODERN LAMINATION

From everyday food packaging to demanding retort and specialty applications, MyChem solvent-free and 2-component systems deliver the performance, efficiency, and reliability required by today's flexible packaging converters.

SOLVENT-BASED POLYURETHANE ADHESIVE SYSTEMS

High Performance for Demanding Flexible Packaging Applications

MyChem solvent-based polyurethane adhesive systems are designed for converters requiring maximum performance in complex laminations, aggressive filling goods, and high-temperature applications. These technologies offer excellent substrate wetting, strong chemical resistance, and reliable performance across a broad range of packaging structures, including retort and sterilizable formats.

KEY BENEFITS FOR CONVERTERS

- ✓ Excellent adhesion on a wide range of substrates
- ✓ Superior chemical and thermal resistance
- ✓ Suitable for aggressive and retort applications
- ✓ Reliable performance in high-performance laminations
- ✓ Systems developed for food-contact compliant packaging

MyFLEX® SOLVENT-BASED TWO-COMPONENT SYSTEMS

Advanced two-component polyurethane systems for high-performance flexible packaging structures.

From General to High Performance: Reliable Adhesion, Proven Chemistry

- **MyFLEX SBG 81A / SBG 82B** - Everyday Performance with Robust Bonds
- **MyFLEX SBM 49A / SBM 54B** - Reliable Resistance, Step Up Performance
- **MyFLEX SBH 11A / SBM 10B** - The Benchmark in Solvent-Based Strength

Extremely low monomer: Ultra-Low Migration. Ultra-High Confidence.

- **MyFLEX SBM 62A / SBM 63B** - Solvent-Based Efficiency with Extra Power
- **MyFLEX SBH 38A / SBH 33B** - High Molecular Weight, Maximum Resistance, Maximum Confidence
- **MyFLEX SBH 32A / SBH 39B** - Built for Aggressive and Retort Packaging, Designed for food-contact compliant packaging

BUILT FOR HIGH-PERFORMANCE LAMINATION

When packaging demands maximum resistance, durability, and reliability, MyChem solvent-based polyurethane systems provide the proven performance required by advanced flexible packaging converters.

TYPICAL LAMINATION STRUCTURES

- PET / PE
- OPP / CPP
- PET / MET PET / PE
- PET / ALU / PE
- High-barrier and retort pouch structures

APPLICATION SOLUTIONS FOR FLEXIBLE PACKAGING

Adhesive Technologies Designed Around Real Packaging Needs

Flexible packaging structures vary widely depending on the product they protect. MyChem adhesive systems are developed to ensure reliable bonding performance across diverse applications, processing conditions, and end-use requirements.

PACKAGING TYPE	TYPICAL STRUCTURES	RECOMMENDED TECHNOLOGIES
 SNACKS & DRY FOOD	Lightweight laminations for chips, bakery products, cereals, and powdered foods.	• Solvent-Free systems for high-speed production • General performance solvent-based systems where higher resistance is required
 LIQUID & SAUCE POUCHES	High-barrier structures exposed to heat sterilization and demanding filling processes.	• Solvent-Free high-performance systems • Solvent-Based systems for aggressive contents
 RETORT & STERILIZABLE	Packaging requiring strong seals and resistance to moisture, oils, and migration.	• High-resistance solvent-based systems • Specialized 2-component solvent-free systems
 MEDICAL & TECHNICAL	Applications requiring high purity, performance consistency, and regulatory compliance.	• Low-migration solvent-free systems • ELM and monomer-free technologies for enhanced

SUPPORTING EVERY STRUCTURE

From simple snack laminations to high-performance retort pouches and medical packaging, MyChem adhesive technologies are engineered to provide the bonding reliability converters need across all flexible packaging segments.

TECHNOLOGY, COMPLIANCE & GLOBAL SUPPORT

Advanced adhesive solutions backed by expertise and responsibility.

MyChem adhesive technologies are developed with a strong focus on performance, safety, and regulatory compliance. We support converters not only with high-quality products, but also with technical knowledge and responsible manufacturing practices.

TECHNOLOGY & INNOVATION

- Advanced polyurethane chemistry for flexible packaging
- Continuous development of low-migration solutions
- ELM and monomer-free technology platforms
- Formulations designed for high-speed modern lamination lines

TECHNICAL SUPPORT

From product selection to process optimization, MyChem technical teams work closely with converters to ensure reliable implementation and consistent performance in production.



MYCHEM Co.

TECHNOLOGY AT YOUR SERVICE

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