



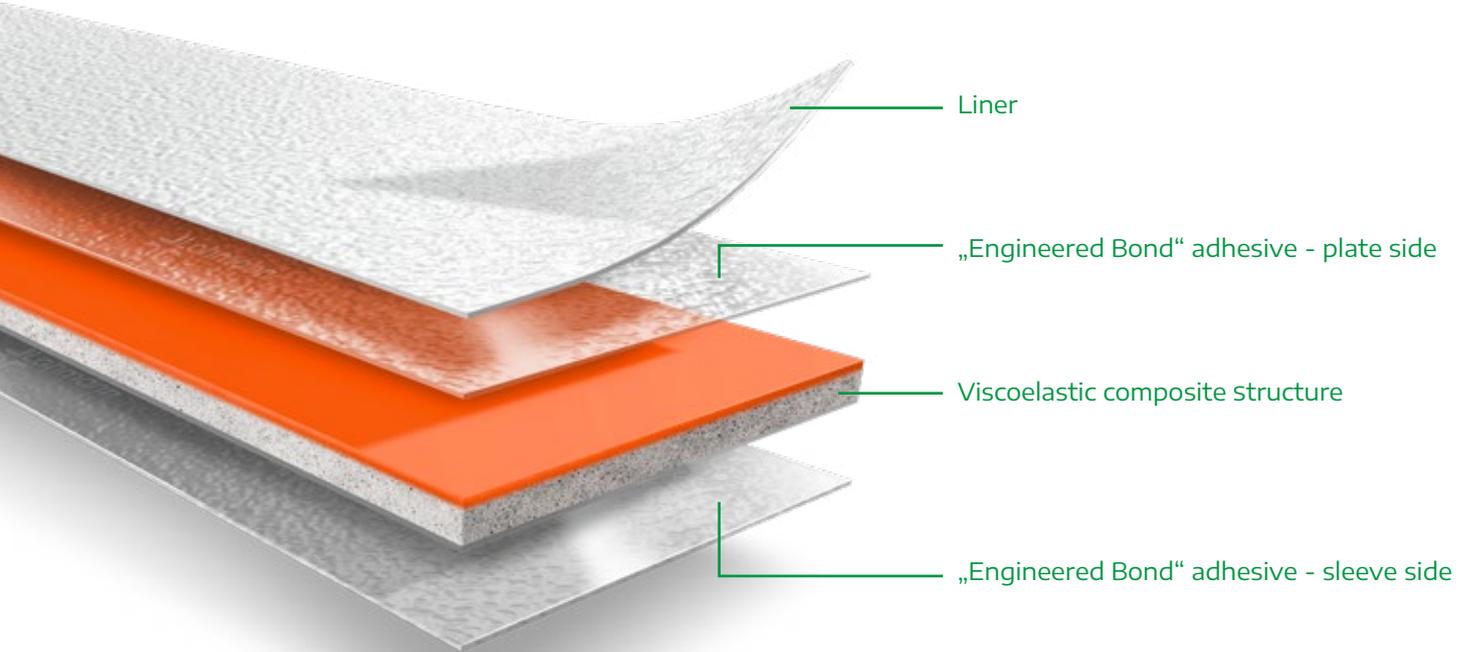
Smart Bonding Solutions for Flexible Packaging and Label Printing



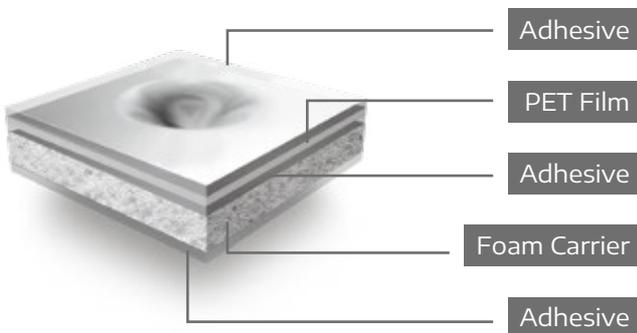
DuploFLEX® 3 and 4 EB

The DuploFLEX 3 and 4 EB range is suitable for various flexible packaging printing applications in the **0.38 mm thickness category** – and is available in two different tape thicknesses for individual preferences and best-fitting solution in the printing process.

Delivers a perfect print image through a unique viscoelastic composite structure with double-sided flexible PE reinforcement.



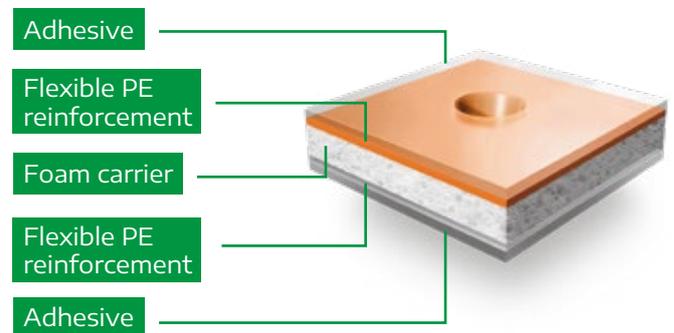
Conventional Foam Adhesive Tape:



Laminated with PET film

- Causes uncontrolled dot gain
- Leads to diffuse print image

Lohmann's DuploFLEX® 3 EB and 4 EB Range:



Equipped with a double-sided, flexible PE reinforcement for excellent print quality

- Forces acting upon the compressible foam are perfectly cushioned
- Prevents dot gain and ensures optimal print image, even at low impression settings

DuploFLEX® 3 and 4 EB

For the 0.38 mm thickness category

DuploFLEX® 3 EB: 0.40 mm tape thickness

Product color	Desired print image	Foam	Product
	 Process work, fine, lines, halftones (minimized dot gain)	Soft	DuploFLEX 3.2 EB
	 Solids, lines and large fonts (dense ink coverage)	Firm	DuploFLEX 3.4 EB

DuploFLEX® 4 EB: 0.44 mm tape thickness

Product color	Desired print image	Foam	Product
	 Highlights, delicate process printing and very fine lines (minimized dot gain)	Soft	DuploFLEX 4.1 EB
	 Combination of solids, line work and screens	Medium	DuploFLEX 4.2 EB
	 Solids, lines and large fonts (dense ink coverage)	Firm	DuploFLEX 4.4 EB

Find out more about our DuploFLEX portfolio and your benefits at lohmann-tapes.com/flexo



Further Materials for Flexo Printing Applications:

DuploFLEX® FS Flying Splice

Double-sided splicing tape with self-splittable carrier for flying splices of flexible material in printing and laminating processes.

DuploFLEX® 311x

Single-sided green filmic tape with excellent strength of the synthetic rubber adhesive for sealing the edges of the plate, if required.

DuploFLEX® Corona Pen

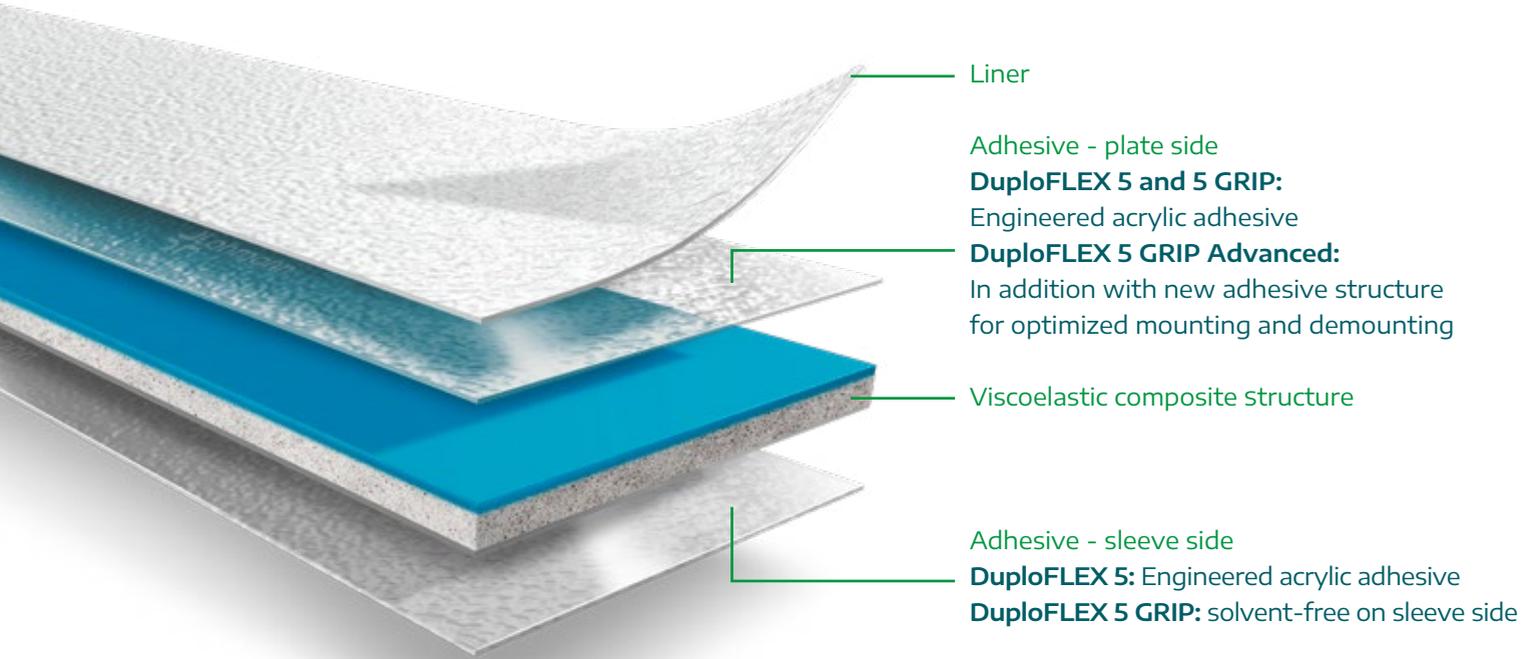
Our handheld device for the quick pre-treatment of plates to increase the surface energy and effectively prevent plate lifting.



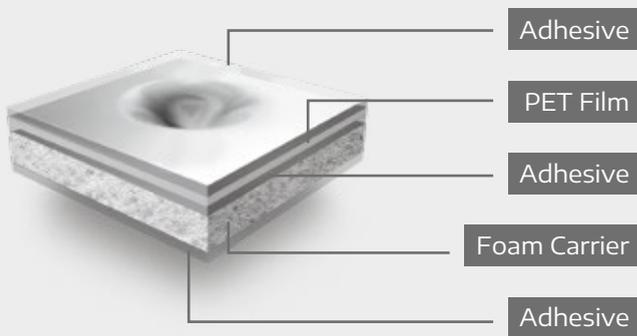
DuploFLEX® 5

The DuploFLEX 5 range is suitable for various flexible packaging and label printing applications in the **0.50 mm thickness category** - whether the Classic or the GRIP range.

Delivers a perfect print image through a unique viscoelastic composite structure with double-sided flexible PE reinforcement.



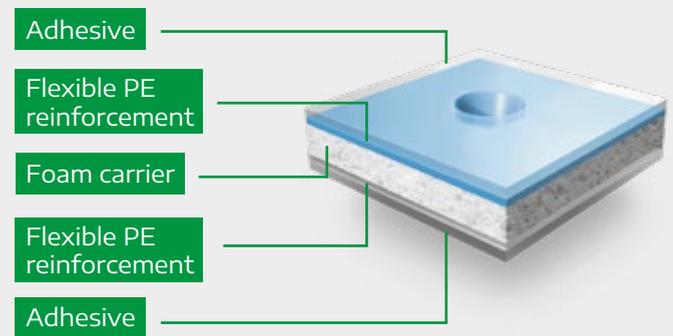
Conventional Foam Adhesive Tape:



Laminated with PET film

- Causes uncontrolled dot gain
- Leads to diffuse print image

Lohmann's DuploFLEX® 5 Range:



Equipped with a flexible, double-sided PE reinforcement for excellent print quality

- Forces acting upon the compressible foam are perfectly cushioned
- Prevents dot gain and ensures an optimal print image, even at high printing speeds (600 m/min)

DuploFLEX® 5

For the 0.50 mm thickness category in just four different degrees of foam hardnesses:

Product color	Desired print image	Foam	Product
	 Fine process work, highlights and very fine lines (minimized dot gain)	Soft	DuploFLEX 5.1
	 Process work, brilliant halftones and fine lines	Medium Soft	DuploFLEX 5.2
	 Halftones and lines, a combination of solids, line work and screen	Medium Firm	DuploFLEX 5.3
	 Solids, lines, large fonts (dense ink coverage)	Firm	DuploFLEX 5.4

In combination with different adhesives to meet your needs:

DuploFLEX® 5 Classic range:

The Established and Proven Allrounder Using State-of-the-art Technology

- Minimized plate lifting, no uncontrolled dot gain and residue-free demounting
- Best-in-class plate mounting and demounting with engineered acrylic adhesive
- Embossed liner for easy handling

DuploFLEX® 5 GRIP (solvent-free on sleeve side) and GRIP Advanced range:

Reliable Print Quality Combined With Improved Sustainability

- Optimized grip on plate and sleeve
- Adhesion balanced by a smooth peel, making edge lifting no longer a problem
- Robust adhesives that withstand extreme temperature and humidity as well as solvent attacks
- New solvent-free pure acrylic adhesive formula: improved sustainability with 50% less solvent in the adhesive coating process



The choice of the correct plate mounting tape and helpful devices very often become the pivotal point for greater efficiency and process safety. Solutions warranting superior handling during mounting and demounting as well as perfect print images, even at a low impression setting, are in high demand.

Lohmann has the answer with the fully comprehensive DuploFLEX portfolio and the competent support of our FLEXperts for perfect integration into the printing process.



The perfect bonding solution?
The one tailored to your application.
We support you **from the idea** to its
integration **into your process**.



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