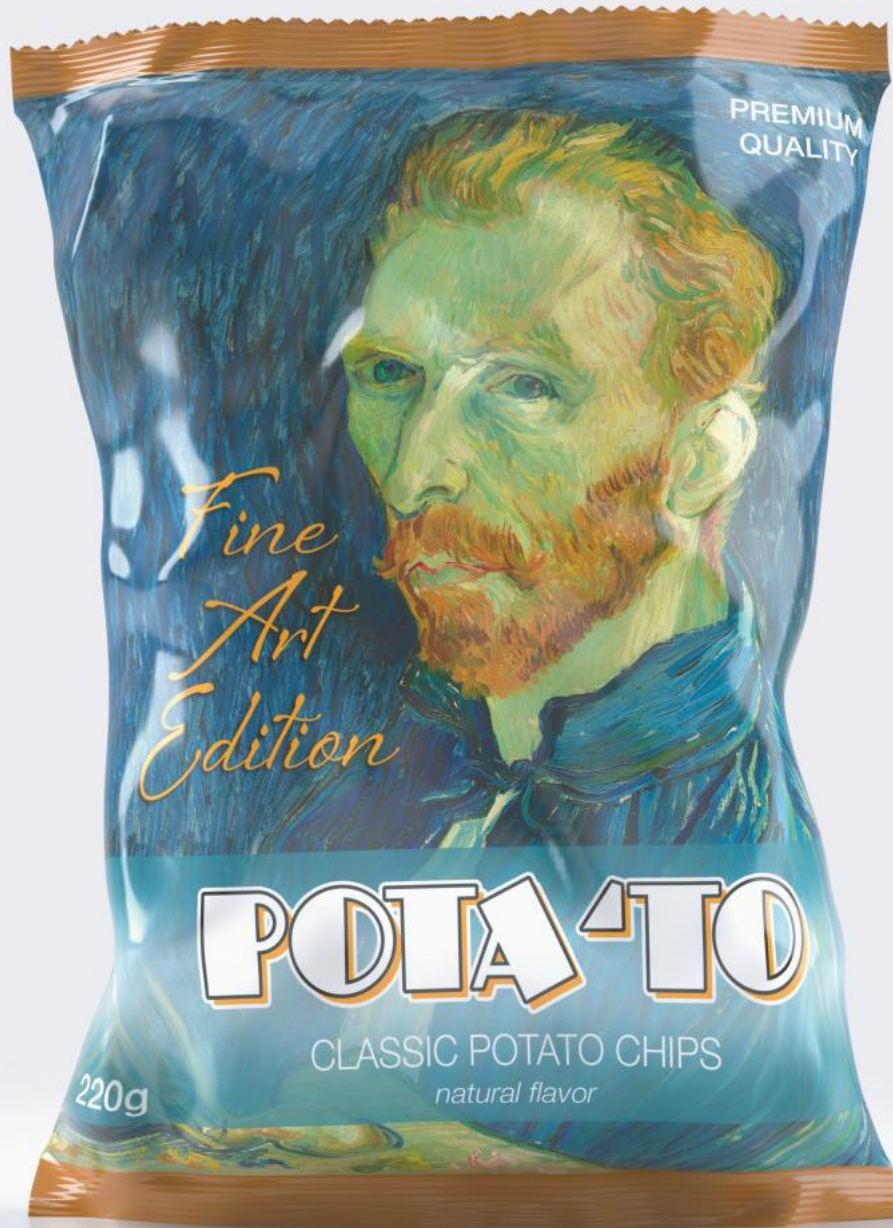


Because every print should be a masterpiece.



DuploFLEX® 5

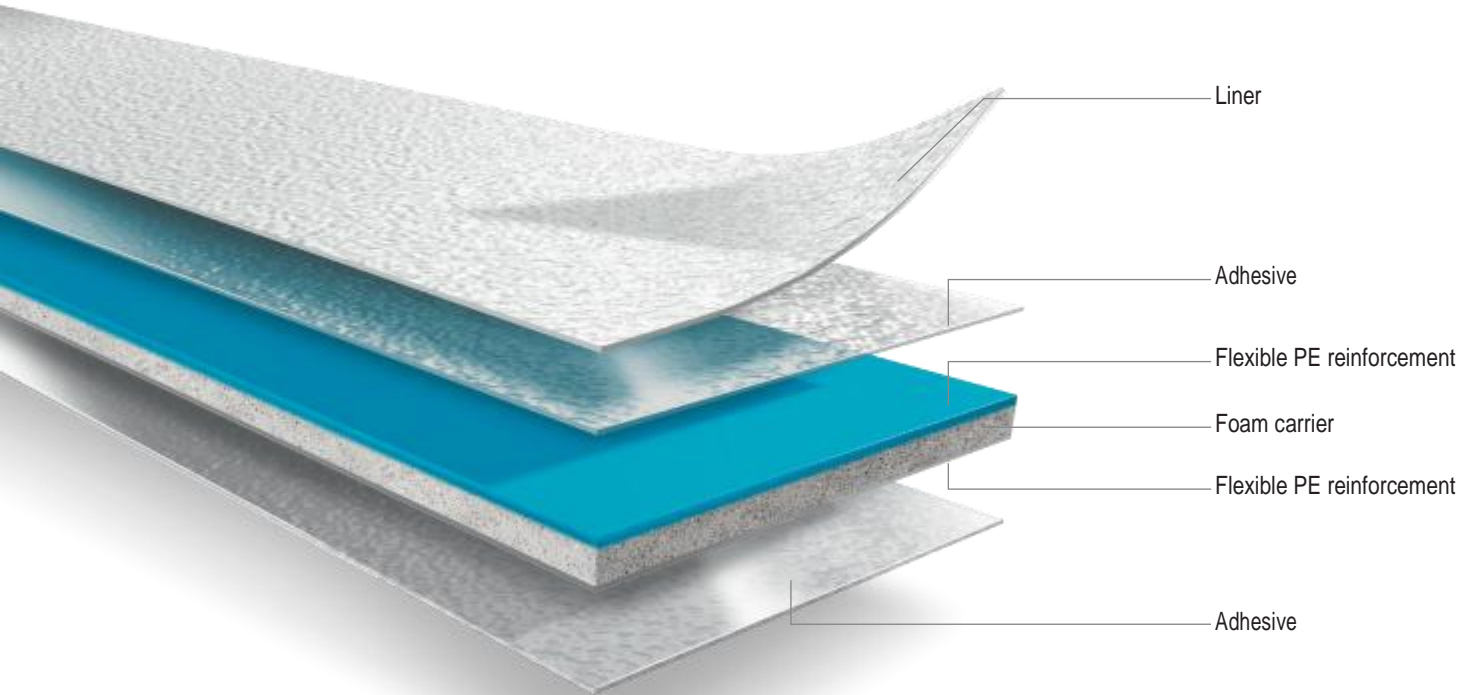
Plate mounting tape solutions for perfect results
in .020" / 0.55 mm flexo printing.

DuploFLEX® 5

The art of the optimized printing process.

Increasing customer expectations and a greater complexity result in higher demands on flexible packaging printing. Thus, choosing a suitable plate mounting tape is the key to ensuring increased efficiency and process reliability. Solutions that are easy to mount and demount whilst guaranteeing perfect print results are essential.

DuploFLEX® can be used for every kind of ink (UV-, solvent- and water based ink).



Unique specifications for individual requirements.

DuploFLEX® 5 meets these increasing demands on flexo printing exactly. You can find a wide selection of adhesive tapes with different foam qualities, adhesive formulations and foam hardnesses cleverly combined in our DuploFLEX® 5 portfolio.



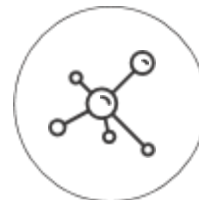
Foam qualities

- Polymer foam for demanding print jobs
- High-performance polymer foam for very demanding print jobs



Foam hardnesses

- Soft: For fine process work, highlights and very fine lines
- Medium soft: For process work, brilliant halftones and fine lines
- Medium firm: For halftones and lines, a combination of solids, line work and screen
- Firm: For solids, lines, large fonts



Adhesive formulations

- Classic adhesive formulas for standard mounting requirements
- Improved adhesive formulas EB & EBX for the best handling
 - Ideal in the case of strong temperature and humidity fluctuations.
 - A highly increased resistance against solvents

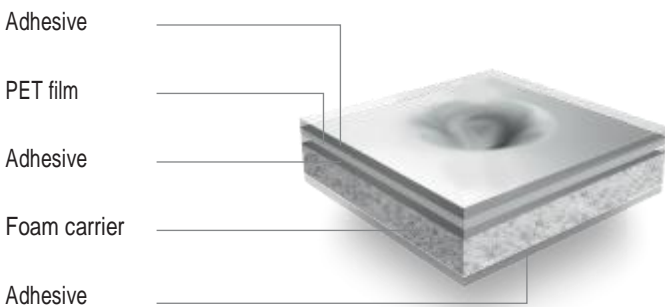


Double-sided flexible PE-reinforcement

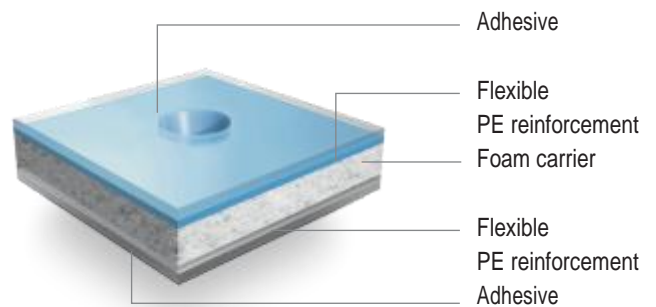
For your decisive edge in quality.

In contrast to conventional foam adhesive tapes with a laminated PET film, our DuploFLEX® 5 range is equipped with a double-sided flexible PE reinforcement. This offers a significant construction feature, which ensures optimal printing results, because the forces acting upon the

compressible foam are perfectly cushioned. The result: No uncontrolled dot gain and an excellent print image, even at high printing speeds (600 m/min).



Conventional foam adhesive tape with laminated PET film



The DuploFLEX® 5 range with double-sided flexible PE reinforcement which perfectly cushions the impression applied and prevents dot gain.

The art of offering the right solution for every requirement

Our range for excellent printing results.

DuploFLEX® 5: The perfect basis

The high quality of our tape solutions is no coincidence. Every DuploFLEX® 5 adhesive tape includes the know-how of our experienced specialists. DuploFLEX® 5 has been especially developed for .020" / 0.55 mm flexo printing and offers all the advantages you could ask for: No plate lifting and no uncontrolled dot gain, as well as residue-free demounting.


DuploFLEX® 5 EB: For very challenging conditions

The DuploFLEX® 5 EB range combines all the advantages of the well-established DuploFLEX® 5 range with entirely new features. On the one hand, it offers increased adhesive stability under extreme temperatures and humidity variations and, on the other hand, greatly increases the resistance to solvents. **EB** stands for "Engineered Bonding", a completely new and optimized adhesive formula, developed especially for these products. The additional option DuploFLEX® **EBX** also possesses a higher bonding strength - the **X** stands for extra.

DuploFLEX® HP 5: For the most challenging print jobs

What to do when looking to utilize every last percentage point and push the boundaries of what is physically possible? Like printing an even more natural skin tone onto a shopping bag. Or when particularly long and high-speed print runs have to be realized at the same level of quality. Then DuploFLEX® **HP 5** is the right choice. The high performance (**HP**) polymer foam, with its high level of uniformity and relatively small cell structure, offers an excellent stability, original shape resiliency and prevents vibration marks in the printed image. This helps you to master particularly demanding long and high-speed print runs with ease.



	Desired print image	Foam	Adhesive formulation		
	Fine process work, highlights, and very fine lines (minimized dot gain)	Soft	DuploFLEX® 5.1 OV	DuploFLEX® 5.1 EB	DuploFLEX® 5.1 EBX
	Process work, brilliant halftones, and fine lines	Medium Soft	DuploFLEX® 5.2 OV	DuploFLEX® 5.2 EB	DuploFLEX® 5.2 EBX
	Halftones and lines, a combination of solids, line work, and screen	Medium	DuploFLEX® 5.25 OV	DuploFLEX® 5.25 EB	DuploFLEX® 5.25 EBX
	Solids, lines, and large fonts (dense ink coverage)	Medium Firm	DuploFLEX® 5.3 OV	DuploFLEX® 5.3 EB	DuploFLEX® 5.3 EBX
	Solids, lines, large fonts (dense ink coverage)	Firm	DuploFLEX® 5.4 OV	DuploFLEX® 5.4 EB	DuploFLEX® 5.4 EBX
	Solids	Super Firm	DuploFLEX® 5.5 OV	DuploFLEX® 5.5 EB	DuploFLEX® 5.5 EBX

All your advantages at one glance

Whatever product you choose –
your competitive advantage is guaranteed.

Whatever the challenging requirements in mounting or demounting, our DuploFLEX® 5 portfolio combines unique specifications for individual advantages. You benefit from perfect print results even at high printing speeds in flexo printing - that's a fact.

	DuploFLEX® 5 range	DuploFLEX® 5 EB range	DuploFLEX® HP 5 range
A compact product portfolio for all printing requirements	●	●	●
Excellent print quality ensured by Lohmann's unique double-sided reinforcement	●	●	●
Easy repositioning during mounting	●	●	●
No plate-lifting	●	●	●
No uncontrolled dot gain	●	●	●
Residue-free and easy demounting	●	●	●
Perfect bonding on different sleeve circumferences	●	●	●
Suitable for solvent- and water-based inks	●	●	●
Outstanding consistency due to high-performance polymer foam			●
Particularly well-suited for long and quick print runs			●
Effectively counteracts bouncing			●
Optimized adhesive stability, even in environments with significant changes in temperature and humidity		●	
Extended solvent resistance		●	

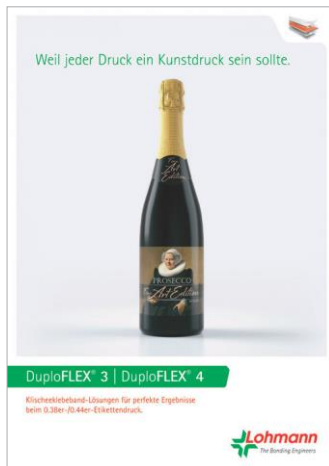
The art of always having the right material.

DuploFLEX® – a portfolio for all situations

Flexible packaging, labels, corrugated board: No matter what kind of flexo printing is involved – with the DuploFLEX® portfolio you can always rely on an uncompromising quality. Even under the most difficult conditions. More about the individual advantages of our plate mounting tape solutions can be found in the new DuploFLEX® brochures.



DuploFLEX® Guide



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DuploFLEX® CB

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Lohmann
The Bonding Engineers