

Adhesive tapes and foams for flexographic plate mounting

SAMPLE BOOK



Soft adhesive tapes



Rigid adhesive tapes



Cushioning foams











Filmic and cloth adhesive tapes

Soft tapes

The BiesSse® range of soft adhesive tapes offers competitive cost-print quality ratio. Thanks to their slightly

more elastic structure, these tapes provide better printing performance than rigid adhesive tapes. They are characterised by a construction based on a soft carrier of various types and thickness combined with different adhesives and liners.

BS GRAFIX

BS GRAFIX is characterised by a plastic film carrier and a natural rubber adhesive (wet style), with a balanced medium-high adhesion level on both sides. The application mainly refers to flexible packaging printing and corrugated cardboard pre-printing.

BS FLEX

The BS FLEX series is characterised by its fabric carrier and natural rubber adhesive (wet style), with a balanced medium-high adhesion level on both sides. This series is mainly used for flexographic corrugated board post-printing.



Rigid tapes

The BiesSse® range of rigid adhesive tapes, among the widest on the market, is ideal for mounting printing plates on polyester carriers for the post-print sector. It is suitable for different print jobs.

BS FIRM

The BiesSse® BS FIRM range meets all adhesion and thickness requirements. The defining tape features are characterised

by the construction based on a rigid PVC film carrier of various thicknesses, combined with different adhesives and liners.



BIELLIE"



Soft adhesive tapes

BS GRAFIX

300 SOFT thickness 0.30 mm 11.8 mils



BS FLEX

400 LC thickness 0.40 mm 15.7 mils



380 FLAT thickness 0.38 mm 15.0 mils

Technical features

Soft adhesive tapes available ranges

Product	SOFT	LC	FLAT
BS GRAFIX 300			
BS FLEX 380			
BS FLEX 400			

Colour	of the	carrior
 Colour	or the	carrier

Available carriers

Туре	SOFT	LC	FLAT
Plasticized PVC film	•		
PET cloth		•	•

Available liners

Туре	SOFT	LC	FLAT
PE coated creped paper		S	
Glassine paper	S		S

Siliconized liner

Adhesion performance

Side	SOFT	LC	FLAT
Closed side (plate side)			
Open side (sleeve side)			

Adhesion shown refers to the general performance of the product during application and not to Peel Adhesion values

Natural rubber adhesive

O Colour of the liner

BIE!



Rigid adhesive tapes

BIEIITE **BS FIRM EP**

BIEIITE BS FIRM OPP LF

100 EP

thickness 0.10 mm **3.9 mils**

100 OPP LF

thickness 0.10 mm **3.9 mils**

150 EP

thickness 0.15 mm **5.9 mils**

150 OPP LF

thickness 0.15 mm **5.9 mils**

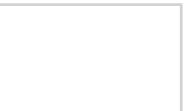


200 EP

thickness 0.20 mm **7.9 mils**

200 OPP LF

thickness 0.20 mm **7.9 mils**

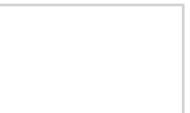


250 EP

thickness 0.25 mm **9.8 mils**

250 OPP LF

thickness 0.25 mm **9.8 mils**



300 EP

thickness 0.30 mm 11.8 mils 300 OPP LF

thickness 0.30 mm 11.8 mils



BS FIRM B

BS FIRM DS

100 B thickness 0.10 mm 3.9 mils



thickness 0.10 mm 3.9 mils



150 B thickness 0.15 mm 5.9 mils



thickness 0.10 mm 3.9 mils



200 B

thickness 0.20 mm 7.9 mils



250 B

thickness 0.25 mm 9.8 mils



300 B

thickness 0.30 mm 11.8 mils



BIE!

Technical features

Rigid adhesive tapes available ranges

Prodotto	EP	OPP LF	В	DS
BS FIRM 100	₩ •		₩ ●	₩ ●
BS FIRM 150		₩ ○*	₩ •	
BS FIRM 200	₩ •			
BS FIRM 250	₩ •		₩ •	
BS FIRM 300				

- Color of the carrier
- Color of the liner
- ****** Transparent
- * Products available upon request

Available carriers

Туре	EP	OPP LF	В	DS
Rigid PVC film	•	•	•	•

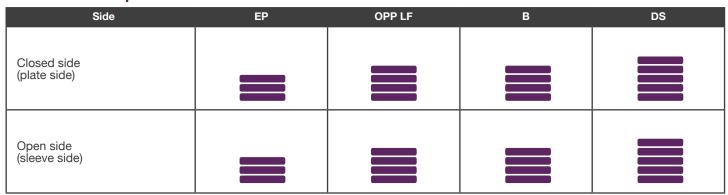
Available liners

Туре	EP	OPP LF	В	DS
Corrugated PVC film			N	
Glassine paper				S
Low friction orange peel embossed PP film		S		
Creped PP film	S			

S Siliconized liner

(N) Unsiliconized liner

Adhesion performance



Adhesion shown refers to the general performance of the product during application and not to Peel Adhesion values

Natural rubber adhesive



Application recommendations

	Plate Th	ickness	Application		Plate Support				
Product	Medium	High	Wide Web	Narrow Web	Post-print	Steel cylinder	Aluminium cylinder	Pre- mounting on Mylar [®] sheet	Rigid sleeve

SOFT

BS GRAFIX SOFT	•	•	•	•	•	•	•	
BS FLEX LC	•	•		•	•	•	•	
BS FLEX FLAT	•	•		•	•	•	•	

RIGID

BS FIRM EP	•	•		•	•	•	•	•	•
BS FIRM OPP LF	•			•	•	•	•	•	•
BS FIRM B	•	•	•	•	•	•	•	•	•
BS FIRM DS	•	•	•	•	•	•	•		•
BS FIRM DS LA	•	•	•	•	•	•	•		•

Ideal

Suitable

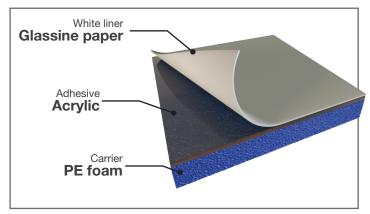
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Cushioning base for high quality post-print results

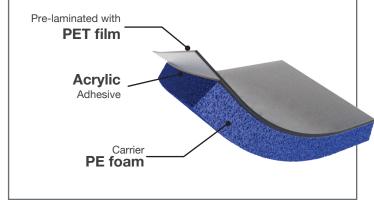
The BiesSse® MS FOAM range is mainly used for high-quality flexo post-printing of corrugated board. The closed-cell polyethylene foam backing offers high resistance and resilience, thus optimizing print process and quality. It allows for the reduction of the thickness of the printing plates, ensures excellent cushioning and press vibration absorption even at high printing speed, and avoids cardboard crush reducing dot gain and the "washboard effect".

The MS FOAM range is available in two versions with different thicknesses: MS FOAM SA BLUE (Self-Adhesive) self-adhesive foam with paper liner, and MS FOAM PET BLUE with polyester film laminated foam.

MS FOAM SA BLUE



MS FOAM PET BLUE



Minimum guaranteed total thickness (foam+adhesive)	MS FOAM SA BLUE
1.10 mm (43 mils)	MS FOAM 1100 SA BLUE
1.70 mm (67 mils)	MS FOAM 1700 SA BLUE
2.10 mm (83 mils)	MS FOAM 2100 SA BLUE
2.60 mm (102 mils)	MS FOAM 2600 SA BLUE
3.85 mm (151 mils)	MS FOAM 4000 SA BLUE

Minimum guaranteed total thickness (foam+adhesive+PET)	MS FOAM PET BLUE
1.35 mm (53 mils)	MS FOAM 1100 PET BLUE
1.95 mm (77 mils)	MS FOAM 1700 PET BLUE
2.35 mm (92 mils)	MS FOAM 2100 PET BLUE
2.85 mm (112 mils)	MS FOAM 2600 PET BLUE
4.10 mm (161 mils)	MS FOAM 4000 PET BLUE

PET film thickness: 0.25 mm (10 mils) upon request: 0.35 (14 mils)



MS FOAM 1700 SA BLUE



MS FOAM 1700 PET BLUE



Your challenges, our mission

The BiesSse group, which has been operating on the global market for **over 40 years**, specializes in the production and conversion of highly performing technical adhesive tapes.

The experience acquired during the years, the advanced proprietary know-how, combined with its ongoing commitment in research and development, have enabled the BiesSse group to be **active on various markets** through two distinctive companies operating in close synergy, i.e.:

- BiesSse Tape Solutions S.p.A., for the company's core business
- BiesSse Equipment Solutions S.r.l., for the design and production of industrial equipment and related software.

BiesSse's mission is to develop **integrated solutions** by anticipating the more and more demanding future market requirements, and to innovate the most challenging industrial processes by supporting customers in their search for the most suitable solutions that complying with their requirements.

The company's Adhesive Tapes manufacturing unit (over 11,000 sq.mt.) and the Equipment manufacturing unit (over 2,000 sq.mt.) are equipped with **modern and advanced installations**, in line with Lean practices.

The BiesSse group, with Headquarters in Sedriano, Milan (Italy), operates worldwide through its subsidiaries in Austria and Mexico, availing itself of a professional and strongly committed local workforce in other countries. The **direct presence on the ground** makes it possible to quickly and efficiently respond to customers' demands and to ensure on-going assistance and support.

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Process innovation through:

Tape solutions
Highly performing technical adhesive tapes for the most challenging industrial applications

Equipment solutions Cutting-edge proprietary equipment

for adhesive tapes applications

Software solutions

Multiplatform, user-friendly software supporting industrial automation



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