

Facestock

A matt transparent polyester film with an ink and toner receptive top coating.

Basis Weight	54 g/m ²	ISO 536
Caliper	46 µm	ISO 534

Adhesive

S4700 is a clear emulsion adhesive for demanding labelling applications.

Liner

HF100, a one side coated, bleached kraft paper.

Basis Weight	100 g/m ²	ISO 536
Caliper	108 µm	ISO 534

Laminate

Total Caliper	169 µm±10%	ISO 534
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Performance data

Initial Tack	15 N/25mm	FTM 9 Glass
Peel Adhesion 90°	8 N/25mm	FTM 2 St.St.
Min. Application Temp.	0 °C	
Service temperature	-20°C to 80°C	

Adhesive Performance

S4700 is a clear permanent adhesive featuring excellent initial tack, adhesion, "wet-out" performance even on apolar surfaces such as HDPE. Improved temperature water, solvent and chemical resistance.

Applications and use

LASERCOPY PET CLEAR is specifically designed for "hot fuse" sheet fed and continuous laser printing, providing optimal flatness during conversion, storage and laser printer processing. Some slight curl may be seen on exiting the printer but this will flatten quickly.

The product is also perfectly suitable for dot matrix and thermal transfer printing when in combination with the correct ribbon grade and machine adjustment.

Being relatively rigid, the film will not conform well to non-uniform or complex shaped surfaces.

The hygroflat backing paper is specially suited to the more critical refolding demands of high-speed computer printers, providing optimum layflatness and excellent interfolding characteristics.

Conversion & printing

The top coated face can be printed by letterpress, flexo, gravure and screen giving excellent results with solvent, UV curing and water based inks.

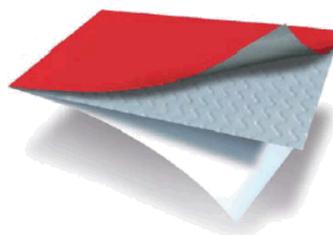
Especially with water based and UV screen inks, care should be taken in selection; preliminary testing under endusers conditions is recommended.

Compatibility of the inks with laser fusing function should be evaluated.

Although flat-bed, solid and magnetic dies can be used, it is

AB280

Fasson ® LASERCOPY PET MATT CLEAR - S4700-HF100



LASERCOPY PET MATT CLEAR	
S4700	
HF100	

essential that they are hardened, single beveled and sharpened to ensure clean cut-through of the polyester film. It is advisable to “butt cut” and not to strip the matrix to avoid label lift during laser processing.

If round cornered labels are required, the matrix should be left on the sheet.

Although the product is designed to be free of edge bleed, ideally the sheets should be “edge stripped” to minimise the presentation of „wet edges” to the printer.

Special Approvals

S4700 complies with European food regulation 1935/2004/EC, with the German Recommendation (BfR) XIV and with FDA § 175.105. It also meets the demands of the limit values laid down in 10/2011/EU. In accordance with the requirements of relevant EU food regulations, the adhesive S4700 may safely stand in direct contact with dry, moist and fatty foodstuffs which have a reduction factor of at least 3 according to the Commission Regulation (EU) No 10/2011, with olive oil as fatty food simulant used for migration testing.

This material complies with BS 5609, Section two, Marine Immersion Test.

Shelf life

Two years under storage conditions as defined by FINAT (20-25°C; 40-50%RH)

All data to be considered as typical values and subject to change without prior notice. Further testing is always recommended.

If you would like to make a suggestion or comment on this datasheet, please send an email to datasheet.mgmt@eu.averydennison.com

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Warranty

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