

### Facestock

A matt white PEHD film with paper like coating for matrix and thermal transfer printing.

Basis Weight	75 g/m <sup>2</sup>	ISO 536
Caliper	95 µm	ISO 534

### Adhesive

D170N is a transparent, rubber-based permanent, synthetic adhesive.

### Liner

BG50 white, a supercalendered glassine paper.

Basis Weight	78 g/m <sup>2</sup>	ISO 536
Caliper	68 µm	ISO 534

### Laminate

Total Caliper	194 µm±10%	ISO 534
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### Performance data

Initial Tack	24 N/25mm	FTM 9 Glass
Peel Adhesion 90°	13 N/25mm	FTM 2 St.St.
Min. Application Temp.	0 °C	
Service temperature	-40°C to 70°C	

### Adhesive Performance

An adhesive for moist or cold surfaces, e.g. for affixing logistic labels to packaging film. Also suitable for difficult surfaces (but not for sharp corners or small radii of curvature).

### Applications and use

Product gives very good performance in thermal transfer printing as well as dot-matrix and conventional pre-printing techniques. The topcoating has compatibility with a wide range of wax, wax/resin and resin based thermal transfer ribbons and is capable of producing high resolution barcode prints. The base film has good rigidity for larger label handling. Applications include medium life durable tracking labels in outdoor environments eg. chemical drum labels, stretch and shrink wrapped pallet labels where recycling may be required.

### Conversion & printing

The absorbent top-coat provides a 'paper like' surface for conventional preprinting.

Due to the extensible nature of the face, care should be taken with die-specification. Sharp dies are essential.

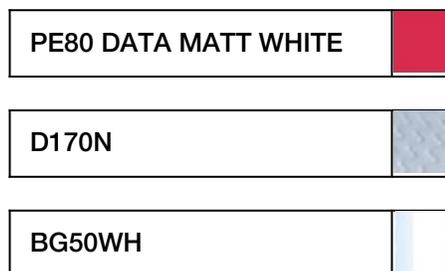
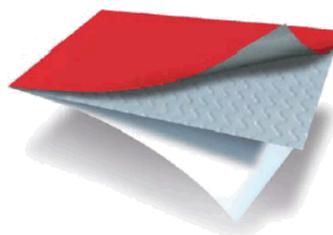
Material shows very good register stability on press and flat bed conversion. However, rotary and magnetic dies need additional care.

### Special Approvals

The adhesive complies with the European food directives and legislations, FDA 175.105 and the German recommendations XXI as published by BfR. BfR (Bundesinstitut für Risikobewertung) is the German Federal Institute for Risk Assessment. The adhesive can be used in direct contact with dry and moist, non fatty foodstuffs.

## AP935

### Fasson ® PE80 DATA MATT WHITE - D170N INC-BG50WH



### Shelf life

One year 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](mailto:datasheet.mgmt@eu.averydennison.com)

## Appendix

### Thermal Transfer Printing:

#### Printability – Physical Resistance

Ribbon	Settings		Print Quality	ANSI Grade	Scratch resistance	Tape resistance
	speed	energy				
Armor AXR7+	5	30	++	A	++	-
Armor AXR8	5	30	++	A	++	+
DNP R300	5	30	+	A	++	++
DNP R550	5	30	--	C	+	+
limak PM255	5	20	++	A	--	+
limak SP330	5	30	++	A	++	++
Ricoh B110A-X2	5	20	++	A	-	+
Ricoh B120EC	5	30	-	B	++	++
Ricoh B110CR	5	30	+	A	++	++

ANSI (American National Standards Institute) Grade: information about barcode quality

A: excellent B: good C: acceptable D: readable with difficulty

++: excellent +: good o: acceptable -: poor --: unacceptable

Tests were performed with the printer Zebra 140XI3.

### Avery Dennison Materials Group Europe

Willem Einthovenstraat 11  
 2342 BH Oegstgeest  
 The Netherlands  
 +31 (0)85 000 2000



#### Warranty

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