

Facestock

A matt white, high density polyethylene film with a smooth, absorbent ink-receptive coating.

Basis Weight	80 g/m ²	ISO 536
Caliper	105 µm	ISO 534

Adhesive

A special purpose permanent, rubber based adhesive.

Liner

BG40 brown, a supercalendered glassine paper.

Basis Weight	55 g/m ²	ISO 536
Caliper	49 µm	ISO 534

Laminate

Total Caliper	185 µm±10%	ISO 534
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Performance data

Initial Tack	33 N/25mm	FTM 9 Glass
Peel Adhesion 90°	17 N/25mm	FTM 2 St.St.
Min. Application Temp.	-5 °C	
Service temperature	-40°C to 70°C	

Adhesive Performance

The aggressive nature of the adhesive provides excellent performance on rough or difficult substrates such as rubber goods, shoes, rugs and carpets, as well as on packaging materials like cardboard, wood, fibre drums and plastic containers (e.g. HDPE and Polypropylene drums). In addition the adhesive has excellent performance at low temperature and on apolar substrates.

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, or 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 while rotary and magnetic dies need additional care.

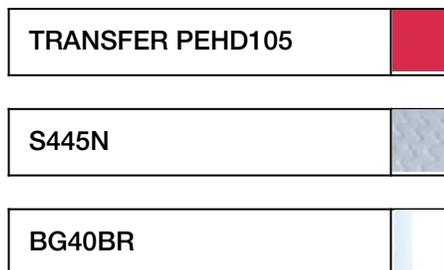
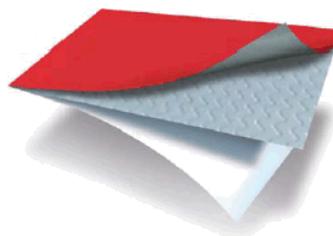
Special Approvals

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

AM664

Fasson ®

TRANSFER PEHD105 - S445N-BG40BR



can be used in direct contact with dry, non fatty foodstuffs.
This material complies with BS 5609, Section two, Marine Immersion Test.

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. The actual front and liner used might influence adhesive values. 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

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	-	B	++	-
limak PM255	5	20	++	A	-	0
limak SP330	5	30	+	A	++	+
Ricoh B110A-X2	5	20	++	A	-	+
Ricoh B120EC	5	30	--	F	++	++
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.

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Warranty

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