

### Facestock

A matt white, polyolefin, with a smooth corona treated surface.

Basis Weight	100 g/m <sup>2</sup>	ISO 536
Caliper	93 µm	ISO 534

### Adhesive

A special purpose permanent, rubber based adhesive.

### Liner

BG45 white FSC is a supercalendered glassine paper.

The liner is made from FSC® certified paper (FSC Mix Credit, chain-of-custody number: CU-COC-807907, Licence Code: FSC-C004451).

Basis Weight	69 g/m <sup>2</sup>	ISO 536
Caliper	60 µm	ISO 534

### Laminate

Total Caliper	184 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 apolar substrates, as well as at low temperatures.

### Applications and Use

The product is designed for industrial labelling. End use is mainly in the area of medium-life durable tracking labels as well as labelling of stretch and shrink-wrapped pallets when recycling is required.

Labels with the aggressive adhesive S445N are used 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).

### Conversion and Printing

The product can be printed by all conventional roll label technologies including offset litho, UV letterpress and UV flexo. On press corona is recommended for optimum ink adhesion.

### Compliance and Approvals

The adhesive S445 is suitable for contact with dry, moist and non-fatty foodstuffs in this construction. For complete information regarding the food contact compliance status, please contact your local sales representative for a Food Contact Statement.

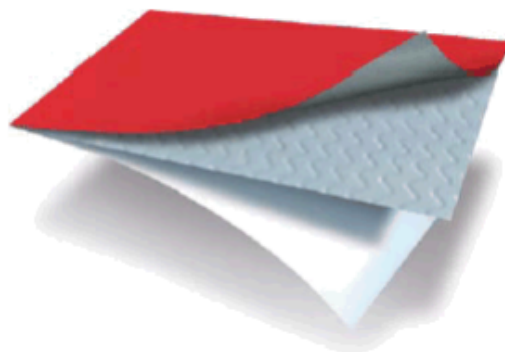
Adhesive S445N has attained the two star certification for biobased content according to EN 16640, meaning that S445N contains certified Biobased Carbon Content of at least 40%. (TÜV AUSTRIA licensee number: S0259)



## AB655

## Fasson®

**CO-EX100**  
**S445N-BG45WH FSC**



CO-EX100

S445N

BG45WH FSC

*This is an automatically generated datasheet. 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)*

\*The OK biobased certification is only applicable to the adhesive S445N.

This material complies with BS 5609:1986, Section two, Marine Immersion Test. To comply with BS 5609:1986 Section 3, the specific inks or ribbons have to be evaluated; tests can be performed upon request.

#### **Shelf Life**

To obtain optimal performance, use this product within one year of the date of manufacture, under storage conditions as defined by FINAT (20-25°C; 40-50%RH). Prolonged storage outside these conditions might reduce the shelf life.

## Appendix

### Thermal Transfer Printing:

#### Printability – Physical Resistance

Ribbon	Settings speed energy		Print Quality	ANSI Grade	Scratch resistance	Tape resistance
Armor AXR7+	5	20	++	A	++	o
Armor AXR8	5	30	+	A	++	o
DNP R300	5	30	-	A	++	+
DNP R510	5	30	-	B	++	+
DNP R550	5	30	-	B	++	+
limak PM255	5	30	+	A	--	+
limak SP330	5	30	-	A	++	+
Ricoh B110A-X2	5	20	++	A	-	++
Ricoh B110CR	5	30	o	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

Tests were performed with the printer Zebra 140XI3.

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#### Warranty

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