

### Facestock

A yellow glossy polymeric plasticised vinyl film.

Basis Weight	109 g/m <sup>2</sup>	ISO 536
Caliper	73 µm	ISO 534

### Adhesive

AL170 is a strong, permanent, solvent-based acrylate adhesive.

### Liner

BG42 white, a supercalendered glassine paper.

Basis Weight	64 g/m <sup>2</sup>	ISO 536
Caliper	57 µm	ISO 534
Transparency	50 %	DIN 53147

### Laminate

Total Caliper	155 µm±10%	ISO 534
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### Performance data

Initial Tack	10 N/25mm	FTM 9 Glass
Min. Application Temp.	0 °C	
Service temperature	-80°C to 110°C	
Peel Adhesion 90°	9 N/25mm	FTM 2 st.st. 24hr
Adhesive Type	Solvent Acrylic	
Adhesive weight	24 g/m <sup>2</sup>	FTM12

### Adhesive Performance

AL170 is distinguished by very high ageing stability and features excellent resistance against chemicals, heat and UV light. It has a high peel adhesion on high and medium surface energy substrates.

### Applications and use

PVC outdoor yellow is ideal for many medium-life indoor and outdoor applications. A durability of 5 years (vertical exposure) can be expected.

### Conversion & printing

PVC outdoor yellow features good thermal transfer printability for good abrasion resistance we recommend the use of resin ribbons. The material shows good die cutting performance.

### REACH Compliance

Notification according to Article 33 of the REACH Regulation (SVHC) This article contains the following substance which is included on the candidate list, according to article 59 (1,10) of the REACH registration, in a concentration above 0.1% (w/w): CAS No\_ 1344-37-2 : Lead Sulfochromate Yellow

### Special Approvals

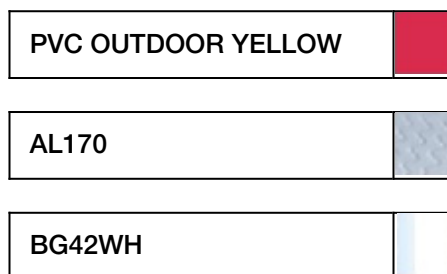
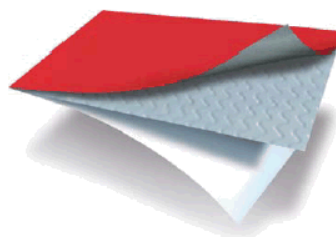
The adhesive meets the requirements of the so-called "Toy Standard" EN 71-3.

This product meets the requirements as stated in UL 969 and CSA C22.2 No. 0.15 for indoor and outdoor use. The UL file number is MH27538.

### Shelf life

## AE492

### Fasson ® PVC OUTDOOR YELLOW - AL170-BG42WH



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

## Appendix 1: Performance Data

Note: the following technical data should be considered representative or typical only and should not be used for specification purposes.

Peel Adhesion:

FTM1: 180°, 300 mm/min, dwell time: 48 hours

Surface	N/25mm
ABS	19,5
Aluminium	23,0
Automotive lacquered panels	23,0
Glass	26,0
HDPE	6,0
LDPE	3,8
PA6	20,0
Stainless Steel	22,0

## Thermal Transfer Printing:

### Printability – Physical Resistance

Flat head printers (tests were performed with the printer Zebra XII 140):

Ribbon	Settings		Print Quality	ANSI Grade	Scratch resistance	Tape resistance
	speed	energy				
Armor AXR7+	3	20	+	A	++	++
Dai Nippon R510	3	20	+	A	++	++
Ricoh B110Cx	3	20	+	A	++	++

Near edge printers (tests were performed with the printer Avery TTX 450 – Near Edge):

Ribbon	Settings	Print Quality	ANSI Grade	Scratch resistance	Tape resistance
Armor AXR 600	5 "/s	+	A	++	++
Ricoh B120 Ec	7 "/s	+	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

### Chemical Resistance

The printed samples were wetted on the surface with a soft clean cotton cloth soaked in the test solution by wiping 10 times back and forth with light pressure. After 5 seconds they were dried with a clean dry soft cloth. After 15 minutes the evaluation took place.

	AXR7 +	R510	B110Cx	AXR600	B120Ec
Anti-Freeze	+	+	+	+	+
Brake fluid	+	+	+	o	-
Cleaner solvent	+	+	+	+	+
Engine oil	+	+	+	+	+
Gasoline	+	+	+	+	+
Isopropanol	+	+	+	+	+
Hard Wax Polish	+	+	+	+	+
Spirit	+	+	+	+	+

+: good (no change) o: acceptable (minor change, still readable) -: poor

### Chemicals:

Anti-Freeze: Speedfrost "Speedfroil" 1:1 in water, Brake Fluid: DOT 4 Synthetic (One Way),

Cleaner Solvent: "Caramba" Cold Cleaner, Engine Oil: TOTAL quartz 700, 10 W 40

Gasoline: TOTAL Euro 95, Hard Wax Polish: „Nigrin“ Hard Wax Polish

## Appendix 2: Compliance Data

### UL – Underwriters Laboratories (UL969)

File Number: MH27538, Category PGJ12

This material is UL recognized for indoor and outdoor use where exposed to high humidity or occasional exposure to water.

Application Surface	Maximum Temperature (°C)	Minimum Temperature (°C)	I	O
Acrylic paint	60	-40	X	X
Acrylic powder paint	60	-40	X	X
Acrylonitrile butadiene styrene (ABS)	60	-40	X	X
Alkyd paint	60	-40	X	X
Aluminum	60	-40	X	X
Galvanized steel	60	-40	X	X
Polyester paint	60	-40	X	X
Polyester powder paint	60	-40	X	X
Polystyrene (PS)	60	-40	X	X
Stainless steel	60	-40	X	X
Polyvinyl chloride (PVC)	40	-40	X	-

I: Indoor use      O: outdoor use

The UL certification includes the printing with the following thermal transfer ribbons:

Armor	AXR 7+
Cembre	MG-ETR 990718, MG2-ETR 991600, TPS-060 842112
Dainippon	R510
Fujicopian	TTM-164
Ricoh	B110C, B110CX

### CSA – Canadian Standards Association

UL has tested this product according to the requirements described in CSA C22.2 No. 0.15.

This product is C-UL recognized for indoor and outdoor wet locations.

The details are listed in the UL file number MH27538, Category PGJ18.

Group	Application Surface	Max. Temperature (°C)	I	O
Metals	Bare, plated, painted or enamelled steel or aluminium	+60	X	X
Plastic Group VI	ABS, styrene, styrene acrylonitrile	+60	X	X

I: Indoor use      O: outdoor use

The C-UL certification includes the printing with the following thermal transfer ribbons:

Armor	AXR 7+
Cembre	MG-ETR 990718, MG2-ETR 991600, TPS-060 842112
Dainippon	R510
Fujicopian	TTM-164
Ricoh	B110C, B110CX

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**Warranty**

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