

Facestock

A matt clear polymeric plasticised vinyl film.

Caliper: 80 µm ISO 534

Basis weight: 104 g/m² ISO 536

Adhesive

AL170 is a high cohesive, permanent, solvent based acrylic adhesive.

Liner

siliconized glassine paper, wood-free, super calandered and extremely tough and tear-resistant despite its thinness.

Without back imprint.

Basis weight: 65 g/m² ISO 536

Caliper: 58 µm ISO 534

Laminate

Total caliper: 162 µm

Performance data

Type: Solvent Acrylate

Initial Tack: 8 N/25 mm FTM 9 stainless steel

Peel Adhesion: 13,5 N/25 mm FTM 2 stainless steel 24 hrs.

Min. application temperature: 0 °C

Min. service temperature: -40 °C

Max. service temperature: +110 °C

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 matt clear – AL170 is ideal for many medium-life indoor and outdoor applications. A durability of 7 years (vertical exposure) can be expected.¹

The material is self-extinguishing.

For special requirements we strongly recommend application tests.

Conversion/printing

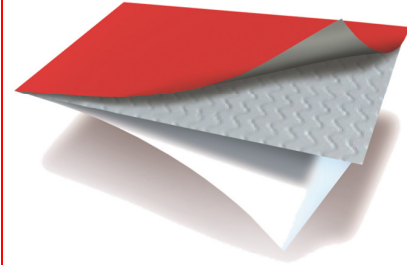
PVC outdoor matt clear features good thermal transfer printability; for good abrasion resistance we recommend the use of resin ribbons.

The material shows good die cutting performance.

AW627

Fasson®

PVC outdoor matt clear –
AL170 – BG42WH



PVC outdoor matt clear

AL170

BG42Wh

¹ The durability is based on middle European exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of labels facing south, in areas of long high temperature exposure such as southern European countries, in industrially polluted areas or high altitudes exterior performance will be decreased.

Flammability

This product is self extinguishing to first measuring mark.
Test method: FMVSS 302

UL approval

This product is UL recognized for indoor use, the file number is MH27538. For specific information on approved conditions, see appendix 2.

Shelf life

Two years under storage conditions as defined by FINAT.

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Warranty

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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

Appendix 2:
Compliance Data
UL – Underwriters Laboratories

This material is UL recognized according to UL969 for exposure indoors to high humidity or occasional exposure to water. Details are listed in the UL file MH27538.

Application Surface	Minimum Temperature (°C)	Maximum Temperature (°C)
Stainless Steel	-40	+80

The UL certification includes the printing with one or more of the following thermal transfer ribbons: Armor "AXR7+", DaiNippon "R300", Imak SP-330 and Ricoh "B110CX".

Application on cables and wires

File Number: MH26355

ANSI/UL 817: Cord Sets and Power-Supply Cords and

ANSI/UL 2238: Cable Assemblies and Fittings for Industrial Control and Signal Distribution

Cord Type	Min. diameter	Indoor Use	Outdoor Use	Additional Conditions
UL Style 20276 (Round)	6,8 mm	Yes	Yes	OR
UL Style 2560 (Round)	6,6 mm	Yes	Yes	OR
UL Style 2464 (Round)	4,0 mm	Yes	Yes	OR

OR: Complies with Oil Resistance requirements

The UL certification includes the printing with one or more of the following thermal transfer ribbons: Armor "AXR7+" and DaiNippon "R300".