

# MACbond B 1149

## GENERAL INTRODUCTION

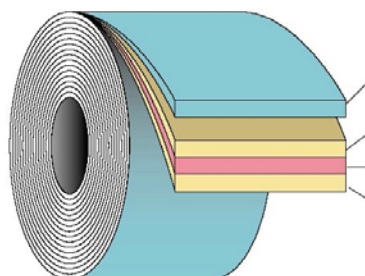
### MACbond

- is an assembling system consisting of a thin carrier (paper, non woven, film or others), coated on both sides with a uniform layer of adhesive.
- the adhesives used are pressure-sensitive acrylic polymer or synthetic rubber based formulations
- is produced in roll or sheet format with a single or double release liner, so that the product chosen best suits the customer's needs.

## PRODUCT DESCRIPTION

**MACbond B 1149** consists of a thin polyester film coated on both sides with a rubber based adhesive. It offers medium tack, peel and shear properties.

**MACbond B 1149** is produced in self-wound format on a kraft release liner.



Siliconised yellow paper  
 Side 2: rubber adhesive  
 PET film 12 µ  
 Side 1: rubber adhesive

## TYPICAL APPLICATION

General purpose : nameplates, posters, POS displays, White Goods Industry: Mounting nameplates, emblems, backprinted graphics

## CHARACTERISTICS

### Adhesion with Substrates

<b>Metal / Aluminium</b>	Medium	<b>Textile/Cotton</b>	Medium
<b>Glass / Ceramics</b>	Medium	<b>Rubber/EPDM</b>	Medium
<b>Painted Surface</b>	Medium	<b>Acrylic/PET</b>	Medium
<b>Wood/Board/Paper</b>	Medium	<b>Polystyrene</b>	Medium
<b>Soft PVC</b>	Low	<b>PP/PE/PS</b>	Medium
<b>Rigid PVC</b>	Medium	<b>Smooth substrate</b>	Medium
<b>PC/ABS</b>	Medium	<b>Rough substrate</b>	Medium

## RESISTANCE

Resistant to water, detergents and alcohol. Low resistance to plasticizers and low outdoor resistance. Not recommended for use in contact with aliphatic or aromatic hydrocarbons. For further technical advice, please consult with MACtac.

## SHELF LIFE

2 years when stored at 15/25°C and 50% relative humidity.

## ADDITIONAL INFORMATION

**Skin contact approval:** The adhesive of B 1149 has been lab tested and its Primary Irritation Index (P.I.I) was calculated to be 0.6, « slightly irritating » in accordance with the criteria of ECETOC. (= European Center for Ecotoxicology and Toxicology Of Chemicals ).

**ADHESIVE DATA**

	TYPICAL VALUES (*)	TEST METHOD
Quick Tack (N/25mm) on stainless steel	15	FTM 9
Peel 180°- (N/25mm) on stainless steel		
- after 20 minutes	15	FTM 1
- after 24 hours	16	FTM 1
Shear on stainless steel 1kg-25 mm x 25mm (hours)	> 250	FTM 8

**CARRIER DATA**

	TYPICAL VALUES (*)	TEST METHOD
Thickness (μ)	12	ISO 534
Tensile (N/15mm) (min.)	MD 25 CD 27	DIN 53455
Elongation (%) (max.)	MD 180 CD 180	DIN 53455

**TEMPERATURE RESISTANCE**

Minimum application temperature	+ 5°C	
End-use temperature range	-40°C to +90°C	
Short term resistance	+ 105°C	S.A.F.T. 500grs

*For temperatures outside those quoted above, please consult with MACtac.*

**RELEASE LINER**

Silicone paper yellow of 90 gr/sqm		ISO 536
THICKNESS (Carrier+Adhesive) 85 μ		ISO 534

(\*) Values given are typical and are not necessarily for use in specifications.

**IMPORTANT NOTICE**

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