

# MACbond B 1142

## GENERAL INTRODUCTION

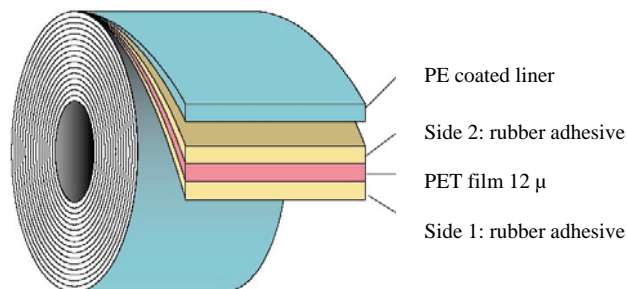
### **MACbond**

- 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 B1142** consists of a thin polyester film coated on both sides with a rubber based adhesive. It offers average tack, peel and shear properties.

**MACbond B 1142** is produced in self wound format on a release liner PE coated on both sides.



## 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, alcohol. Not recommended for use in contact with aliphatic or aromatic hydrocarbons.

## SHELF LIFE

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

## ADDITIONAL INFORMATION

**Skin contact approval:** The adhesive of B 1142 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	14	FTM 9
Peel 180°- (N/25mm) on stainless steel		
- after 20 minutes	14	FTM 1
- after 24 hours	15	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**

PE coated paper of 130 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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