

MACbond B 1149

GENERAL INTRODUCTION

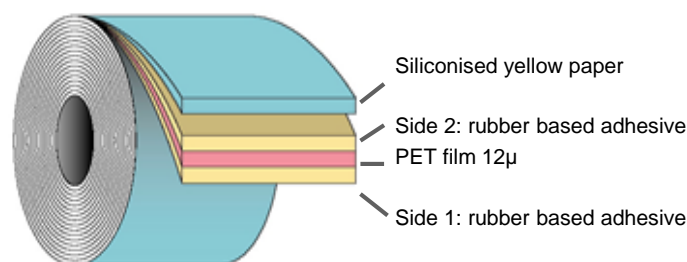
MACbond

- 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 calendared paper liner.



TYPICAL APPLICATION

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

CHARACTERISTICS

Adhesion with Substrates

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

IMDS – automotive registration: B 1149 has been introduced in the IMDS (International Material Data System).

ADHESIVE DATA

	Typical Values (*)	Test Method
Quick Tack (N/25mm) On brushed stainless steel (ref. Nokoro 304 poli. N°4)	12	FTM 9
Peel 180° - (N/25mm) on brushed stainless steel (ref. Nokoro 304 poli. N°4)	15	FTM 1
- after 20 minutes	16	FTM 1
- after 24 hours		
Shear on brushed stainless steel (ref. Nokoro 304 poli. N°4) 1kg – 25mmx25mm (hours)	> 250	FTM 8

CARRIER DATA

	Typical Values (*)	Test Method
Thickness (μ)	12	ISO 534
Tensile (N/15mm)	MD 25 CD 27	DIN 53455
Elongation (%) (max.)	MD 180 CD 180	DIN 53455

TEMPERATURE RESISTANCE

Minimum Application Temperature	+ 6°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
85 μ		ISO 534

**THICKNESS
(Carrier + adhesive)**

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

IMPORTANT NOTICE

All Mactac products are subject to careful quality control throughout the manufacturing process and are warranted to be of merchantable quality and free from manufacturing defects. Published information concerning Mactac products are based upon research which the Company believes to be reliable but such information do not constitute a warranty. Because of the variety of possible uses for Mactac products and the continuing development of new uses, the purchaser should carefully consider the fitness and performance of the product for each intended use and the purchaser assumes all risks in connection with such use. Seller shall not be liable for damages in excess of the purchase price of the product or for incidental or consequential damages. All specifications are subject to change without prior notice.

