

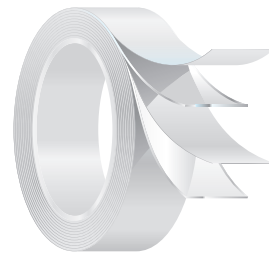


# FT B2112

**FT B2112** 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. FT B2112 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.

## CONSTRUCTION & TYPICAL APPLICATION:

- Consists of a thin polyester carrier coated on both sides with a solvent based modified acrylic adhesive. It offers high tack and peel properties, and medium shear resistance.
- Produced in self-wound format on a calendared paper liner.
- Automotive Industry : Fixing Lexan or PC printed nameplates onto ABS (in dash boards or air-conditioning boxes). White Goods Industry: Mounting of Sound dampening/Foam substrates, Gaskets and Seals, nameplates, emblems, backprinted graphics.



- Siliconised yellow paper
- Side 2: Solvent based modified acrylic adhesive
- PET film 12µ
- Side 1: Solvent based modified acrylic adhesive

### Adhesion with Substrates

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

## RESISTANCE:

- Resistant to water, detergents and alcohol. Medium resistance to plasticizers and medium outdoor resistance. 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 FT B2112 has been lab tested and its Primary Irritation Index (P.I.I.) was calculated to be 0,8, « slightly irritating » in accordance with criteria of ECETOC (= European Center for Ecotoxicology and Toxicology Of Chemicals).
- IMDS – automotive registration: FT B2112 has been introduced in the IMDS (International Material Data System).

## FT B2112

ADHESIVE DATA	Typical Values*	Test Method
<b>Quick Tack</b> (N/25mm) on brushed stainless steel (ref. Nokoro 304 poli. N°4)	22	FTM 9
<b>Peel 180°</b> (N/25mm) on brushed stainless steel (ref. Nokoro 304 poli. N°4) - after 20 minutes - after 24 hours	27 29	FTM 1 FTM 1
<b>Shear</b> on brushed stainless steel (ref. Nokoro 304 poli. N°4) 1kg – 25mm x 25mm (hours)	50	FTM 8

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

TEMPERATURE RESISTANCE	Typical Values*	Test Method
<b>Minimum Application Temperature</b>	+ 8°C	
<b>End-use Temperature Range</b>	- 40°C to + 90°C	
<b>Short Term Resistance</b>	+ 105°C	S.A.F.T. 500grs

RELEASE LINER	Typical Values*	Test Method
<b>Yellow Silicone Paper</b>	90 gr/sqm	ISO 536

THICKNESS	Typical Values*	Test Method
<b>Carrier + Adhesive</b>	100μ	ISO 534

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

### APPLICATION TECHNIQUES:

- It is essential with all pressure-sensitive tapes the application surface is clean, dry and free of grease and oil
- Bond strength is dependent upon the amount of adhesive-to-surface contact developed
- Note that different pressure, time and temperature on different (firm / rigid) surface achieves different performance

### IMPORTANT NOTICE:

Information on the above characteristics is based upon tests we believe to be reliable. The values given are typical values that vary according to application conditions. The values are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine prior to use the suitability of this material for their specific purposes. All Avery Dennison materials described herein are sold subject to Avery Dennison Conditions of Sales, a copy of which is available upon request.

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