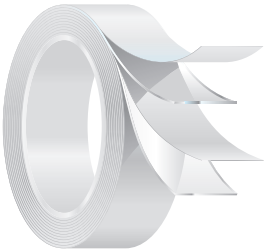
FT B2100

FT B2100 is part of 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 B2100 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 film coated on both sides with a solvent based pure acrylic adhesive. It offers high tack and peel properties, and very high shear resistance.
- Produced in self-wound format on a white kraft paper PE coated on both sides.
- General bonding of substrate requiring resistance to plasticizer migration.



— PE coated paper
— Side 2: Solvent based pure acrylic adhesive
— PET film 12µ
— Side 1: Solvent based pure acrylic adhesive

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

RESISTANCE:

- Resistant to water, detergents, alcohol, aliphatic and some aromatic hydrocarbons. Not recommended for use in contact with chlorated solvents, ketones or esters.

SHELF LIFE:

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

ADDITIONAL INFORMATION:

- Skin Contact approval: The adhesive of FT B2100 has been lab tested and its Primary Irritation Index (P.I.I.) was calculated to be 0,1, « negligible irritating » in accordance with criteria of ECETOC (= European Center for Ecotoxicology and Toxicology Of Chemicals).
- Food Contact approval: The adhesive of FT B2100 has been tested and approved for direct contact with dry, moist and some non-fatty foodstuffs according to European directive 85/572/EEC.
- IMDS – automotive registration: FT B2100 has been introduced in the IMDS (International Material Data System).

FT B2100

ADHESIVE DATA	Typical Values*	Test Method
Quick Tack (N/25mm) on brushed stainless steel (ref. Nokoro 304 poli. N°4)	20	FTM 9
Peel 180° (N/25mm) on brushed stainless steel (ref. Nokoro 304 poli. N°4) - after 20 minutes - after 24 hours	 21 23	 FTM 1 FTM 1
Shear on brushed stainless steel (ref. Nokoro 304 poli. N°4) 1kg – 25mm x 25mm (hours)	500	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	Typical Values*	Test Method
Minimum Application Temperature	+ 5°C	
End-use Temperature Range	- 40°C to + 180°C	
Short Term Resistance	+ 200°C	S.A.F.T. 500grs

RELEASE LINER	Typical Values*	Test Method
PE Coated Paper	120 gr/sqm	ISO 536

THICKNESS	Typical Values*	Test Method
Carrier + Adhesive	130µ	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.

AVERY DENNISON | Performance Tapes

Asia Pacific
Kunshan, China,
No. 618 Nanhe Road
Kunshan Economic &
Technological Zone
China 215335
Phone: +86 512 57155001
Fax: +86 512 57155059

Europe
Tieblokkenlaan 1
B-2300 Turnhout
Belgium
Phone: +32 (0)14 40 48 11
Fax: +32 (0)14 40 48 55

Bld J.F. Kennedy 1
7060 Soignies
Belgium
Phone: +32 (0)14 404 963
Fax: +32 (0)14 40 48 55

North America
250 Chester Street
Painesville, Ohio
44077 USA
Phone: +1 866-462-8379
Fax: +1 888-358-4469

For more information on our bonding tapes and adhesive solutions, visit **Tapes.AveryDennison.com**