

TECHNICAL DATA SHEET

Avery Dennison™ FT B1149 is a double coated tape with permanent solvent rubber adhesive to bond a wide variety of substrates.

CONSTRUCTION & TYPICAL APPLICATIONS

- Consists of a thin polyester film coated on both sides with a rubber based adhesive. It offers medium tack, peel and shear resistance.
- Produced in self-wound format on a calendered paper liner.
- General purpose: nameplates, posters, POS displays.
White Goods Industry: Mounting nameplates, emblems, back printed graphics.



Adhesion with Substrates			
Metal / Aluminum	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.

SHELF LIFE

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

ADDITIONAL INFORMATION

- Skin contact approval: The adhesive of FT B1149 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: FT B1149 has been introduced in the IMDS (International Material Data System).



Performance
Tapes

ADHESIVE DATA	Typical Values*	Test Method
Quick Tack (N/25 mm) on brushed stainless steel (ref. Nokoro 304 poli. N°4)	12	FTM 9
Peel 180° (N/25 mm) on brushed stainless steel (ref. Nokoro 304 poli. N°4)		
- After 20 min	15	FTM 1
- After 24 hr	16	FTM 1
Shear on brushed stainless steel (ref. Nokoro 304 poli. N°4) 1 kg – 25 mm x 25mm (hours)	> 250	FTM 8
CARRIER DATA	Typical Values*	Test Method
Thickness (μ)	12	ISO 534
Tensile (N/15 mm)	MD 25 CD 27	DIN 53455
Elongation (%) (max)	MD 180 CD 180	DIN 53455
TEMPERATURE RESISTANCE	Typical Values*	Test Method
Minimum Application Temperature	+ 6 °C	
End-use Temperature Range	- 40 °C to + 90 °C	
Short Term Resistance	+ 105 °C	S.A.F.T. 500 grs.
RELEASE LINER	Typical Values*	Test Method
Yellow Silicone Paper	90 gr / sqm	ISO 536
THICKNESS	Typical Values*	Test Method
Carrier + Adhesive	85 μ	ISO 534

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

APPLICATION TECHNIQUES

- It is essential, as with all pressure-sensitive tapes, that the surface to which the tape is applied be clean, dry, and free of grease or oil
- Bond strength is dependent upon the amount of adhesive-to-surface contact developed
- Note that different pressure, time and temperature on different (film / 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.

For more information on our bonding tapes and adhesive solutions, call us:

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