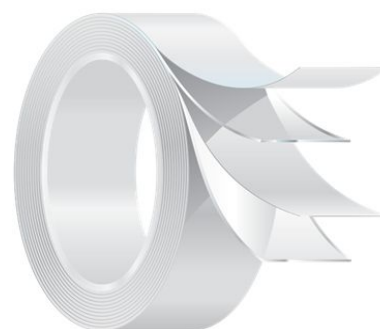


TECHNICAL DATA SHEET

Avery Dennison™ FM M1702 is a rubber based double coated polyethylene foam tape used for general mounting applications where a high shear and high performance are needed and where there is a request for a high density foam.

CONSTRUCTION & TYPICAL APPLICATIONS

- Consists of a 0,8 mm white, cross-linked, closed-cell polyethylene foam coated on both sides with a rubber based adhesive. It offers very high peel and shear properties.
- Produced in self-wound format on a calendered paper liner.
- For applications where high shear and high performance are required: e.g. hooks, cable clips, sky domes, hangers, rear view mirrors.
- White Goods Industry: door handle bonding, holding wires and cable clips, mounting shelf support clips.



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 \pm 50 % relative humidity.

ADDITIONAL INFORMATION

- IMDS – automotive registration: FM M1702 has been introduced in the IMDS (International Material Data System).



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Performance
Tapes

ADHESIVE DATA	Typical Values*	Test Method
Peel 180° (N / 25mm) on brushed stainless steel (ref. Nokoro 304 poli. N°4) - After 20 minutes	> 15*	FTM 1
Shear on brushed stainless steel (ref. Nokoro 304 poli. N°4) 1 kg – 25 mm x 25 mm (hours)	> 5000	FTM 8
CARRIER DATA	Typical Values*	Test Method
Density	high	
Tensile (N / 15mm)	MD 16 CD 12	DIN 53455
Elongation (%) (max)	MD 500 CD 500	DIN 53455
TEMPERATURE RESISTANCE	Typical Values*	Test Method
Minimum Application Temperature	+ 10 °C	
End-use Temperature Range	- 40 °C to + 60 °C	
RELEASE LINER	Typical Values*	Test Method
White Silicone Paper	90 gr / sqm	ISO 536
THICKNESS	Typical Values*	Test Method
Carrier + Adhesive	900 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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