

TECHNICAL DATA SHEET

Avery Dennison™ FM M1711 is part of a range of pressure-sensitive fastening system consisting of a variety of cross linked, closed-cell, polyethylene foams in various thicknesses, densities and colors, and coated both sides with specifically formulated pressure-sensitive adhesives.

CONSTRUCTION & TYPICAL APPLICATIONS

- Consists of a 1,6 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
- Automotive Industry: Wheel balancing (fixing the weight directly onto the aluminium rim)



Adhesion with Substrates			
Metal / Aluminum	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	High
Rigid PVC	High	Smooth Substrate	High
PC / ABS	High	Rough Substrate	High

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

- IMDS – automotive registration: FM M1711 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)		
Peel 180° (N/25 mm) on brushed stainless steel (ref. Nokoro 304 poli. N° 4) - After 20 min - After 24 hr	> 17**	FTM 1
Shear on brushed stainless steel (ref. Nokoro 304 poli. N° 4) 1kg – 25mm x 25mm (hours)	> 5000	FTM 8
CARRIER DATA	Typical Values*	Test Method
Thickness (μ)		
Tensile (N/15 mm)	MD 24 CD 17	DIN 53455
Elongation (%) (max)	MD 400 CD 400	DIN 53455
TEMPERATURE RESISTANCE	Typical Values*	Test Method
Minimum Application Temperature	+ 10 °C	
End-use Temperature Range	- 40 °C to + 60 °C	
Short Term Resistance		
RELEASE LINER	Typical Values*	Test Method
Clear PE MAT film		
White Silicone Paper	90 gr/sqm	ISO 536
THICKNESS	Typical Values*	Test Method
Carrier + Adhesive	1,7mm	ISO 534

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

**Foam cleavage

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:

North America: +1 866 462 8379

Asia Pacific: +86 512 57155001

Europe: +32 (0)14 40 48 11

www.tapes.averydennison.com