

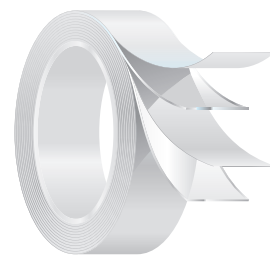


# FM M1770

**FM M1770** is part of a 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 APPLICATION:

- Consists of a 3,2 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 use when the application requires a 3,2 mm / medium density foam.



- Siliconised white paper
- Side 2: Rubber based adhesive
- White PE Foam 3,2 mm
- Side 1: Rubber based 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	High
Rigid PVC	High	Smooth Substrate	High
PC / ABS	High	Rough Substrate	High

## RESISTANCE:

- Resistant to water, detergents and alcohol. 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.

## FM M1770

ADHESIVE DATA	Typical Values*	Test Method
<b>Peel 180°</b> (N/25mm) on brushed stainless steel (ref. Nokoro 304 poli. N°4) - after 20 minutes	> 17**	FTM 1
<b>Peel</b> (N/25mm) - 23°C - 70°C	> 17** > 2**	AFERA 4001
<b>Shear</b> on brushed stainless steel (ref. Nokoro 304 poli. N°4) 1kg – 25mm x 25mm (hours)	> 5000	FTM 8

CARRIER DATA	Typical Values*	Test Method
<b>Tensile</b> (N/15mm)	MD 39 CD 28	DIN 53455
<b>Elongation</b> (%) (max.)	MD 400 CD 400	DIN 53455
<b>Density</b>	Medium	

TEMPERATURE RESISTANCE	Typical Values*	Test Method
<b>Minimum Application Temperature</b>	+ 10°C	
<b>End-use Temperature Range</b>	- 40°C to + 60°C	

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

THICKNESS	Typical Values*	Test Method
<b>Carrier + Adhesive</b>	3,3mm	ISO 534

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

\*\*Foam cleavage.

### 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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