



# AFT CLEAR 500

**AFT Clear 500** is part of a range of unsupported pressure sensitive adhesive system for assembling and mounting operations requiring very high bonding properties.

## CONSTRUCTION & TYPICAL APPLICATION:

- A free film made of a 0.5 mm thick layer of Acrylic Foam Adhesive. Offers very high tack and extremely high adhesion and shear properties.
- Produced in self wound format on a red PE film liner.
- For applications where high tack extremely high bond are required — e.g. heavy POS displays, demanding indoor or outdoor applications in Building applications, cladding, fixation of structural windows, in the Automotive industry and many other applications.
- Very high bonding performances on a wide range of substrates, good resistance to plasticizers, good performances on low energy surfaces, high performances on most of synthetic materials, high performances on smooth or structured surfaces, high initial tack.



- Red PE filmic liner
- Acrylic Foam Adhesive

## RESISTANCE:

- Excellent resistance to solvents, moisture, chemicals, UV and heat.

## SHELF LIFE:

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

## AFT CLEAR 500

ADHESIVE DATA	Typical Values*	Test Method
<b>Quick Tack</b> (N/25mm) on brushed stainless steel (ref. Nokoro 304 poli. N°4)	35	FTM 9
<b>Peel 180°</b> (N/25mm) on brushed stainless steel (ref. Nokoro 304 poli. N°4) - after 20 minutes - after 24 hours	40 40	FTM 1 FTM 1
<b>Peel 90°</b> (N/25mm) on brushed stainless steel (ref. Nokoro 304 poli. N°4) - after 20 minutes - after 24 hours	60 60	FTM 2 FTM 2
<b>Shear</b> on brushed stainless steel (ref. Nokoro 304 poli. N°4) 1kg – 25mm x 25mm (hours)	> 2000	FTM 8

  

TEMPERATURE RESISTANCE	Typical Values*	Test Method
Application Temperature	0°C to +35°C	
End-use Temperature Range	- 20°C to 120°C	

  

RELEASE LINER	Typical Values*	Test Method
Red PE Liner	120µ	ISO 536

  

THICKNESS	Typical Values*	Test Method
Adhesive	500µ	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.

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