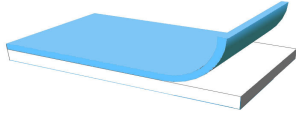




# AVERY DENNISON HPA 1905

## ◆ CONSTRUCTION



**Adhesive:** High Performance Acrylic Based Adhesive

**Carrier:** HPA 1905 is a 125µ unsupported adhesive film

**Liner:** Brown imprinted PPP liner, 109µ

### Features

- ◆ Unsupported, specially formulated acrylic adhesive
- ◆ Adhesive protected by moisture resistant polycoated kraft liner
- ◆ Thick adhesive mass for good adhesion to high surface energy plastics
- ◆ Ease of die-cutting and liner removal

### Benefits

- ◆ Excellent balance of properties to perform in demanding applications
- ◆ Excellent high temperature peel adhesion
- ◆ Thick adhesive mass allows for improved bonding and gap filling
- ◆ Chemical, solvent, heat, humidity and UV resistance

## ◆ TYPICAL APPLICATIONS



Nameplate, graphic overlay and membrane switch applications where a free film acrylic laminating adhesive is required.

Applications that require long term 'holding power' and environmental resistance.

Applications where laminates are bonded together and where good holding power under stress needs to be maintained.

## ◆ TEMPERATURES

Application (minimum)	+10 °C
Max. Service (continuous)	+200 °C
Short term	+230 °C

### Physical Properties

### Typical Values

#### THICKNESS

Adhesive	125 microns
Liner	109 microns
Total	234 microns

\*ASTM D-1000

#### PEEL ADHESION

Foil 180° 300 mm/min	<u>24 hrs</u>
SS	788 N/m
PP	438 N/m
Painted Metal	613 N/m

\*STD-10

#### LOOP TACK

50µ PET 90° 500mm/min	
Stainless Steel	1138 N/m

\*STD-7

#### STATIC SHEAR

Foil 1000g/25mm x 25mm	
SS	> 10,000 min
Foil 1000g/25mm x 25mm : elevated temperature (200 °C)	
SS	> 5,000 min

STD-9

\*TESTMETHODS

03.09



ISO 9001:2000  
Certificate number Q 5757



**AVERY DENNISON**

◆ **SURFACE PREPARATION**

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 and oil.

◆ **STORAGE AND SHELF LIFE**

The shelf life of the product is one year when stored at 15-25°C, 30-70 % relative humidity and out of direct sunlight, in original packaging.

◆ **WEBSITE**

Visit us at: <http://steu.averydennison.com>

**Important** - 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. It should be noted that the substrate test materials are generic and therefore actual results may vary from those given above. 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's Conditions of Sales, a copy of which is available on request.

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