

# Avery Dennison™ FT 2005

## ◆ DESCRIPTION

Avery Dennison™ FT 2005 is a single-linered transfer tape specifically developed for heavy duty bonding applications requiring a high shear performance and/or moisture, chemical, UV or temperature resistance, esp. onto irregular or embossed substrates.

## ◆ CONSTRUCTION

Adhesive : Cross-linked acrylic adhesive, typified by a medium tack, a very high shear and temperature performance  
Carrier : FT 2005 is a 125 micron unsupported adhesive film.  
Liner : White polyethylene protected paper with red "Avery Dennison"-imprint

## ◆ FEATURES & BENEFITS

<b>Features</b>	<b>Benefits</b>
* Cross-linked acrylic adhesive	* Provides a very high temperature resistance and a high chemical, moisture and UV-light resistance.
* Thick cohesive adhesive layer	* Allows bonding of irregular or structured surfaces, while maintaining easy slitting and conversion.
* Polyethylene protected liner	* Combines a high degree of moisture stability with excellent diecutting properties.
* Easy release liner	* Enables smooth removal during application.
* UL 969 Recognized Component (file MH 27536)	

## ◆ TYPICAL APPLICATIONS

Perfectly suitable for heavy duty or durable indoor and outdoor applications between structured or irregularly shaped surfaces, in particular where high temperature and/or shear performance are of primary importance. Typical examples are the bonding of ceramic, glass, metal and plastic constructions such as nameplates, decorative trim and panels in household appliances, cars, trucks, office equipment, mobile phone or computer assembly. Also fit for graphical applications where bond strength and even coating outlook are important, such as windscreen stickers, point-of-display assembly, etc.

## ◆ 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.



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Physical Properties	Typical Values	Units	Test Methods
<b>THICKNESS</b>			
Adhesive	125	microns	ATM .7
Liner :	128	microns	
Total	253	microns	
<b>TACK</b> (Finat)	830	N/m	ATM.8-FINAT.9
<b>ADHESION</b> (180° peel)			
	<u>20min</u>	<u>24h</u>	N/m
Stainless steel	590	630	
Polycarbonate	630	680	
Polyester	540	550	
Rigid polypropylene	230	280	
<b>SHEAR RESISTANCE</b>			
25x25mm –1 kg	(Static) > 10.000	min,	ATM.2-FINAT.8- PSTC.7
<b>TEMPERATURES</b>			
Application (minimum)	+ 10	°C	
Service (continuous)	- 40 to + 180	°C	
Short time	> 200	°C	
<b>STORAGE and SHELF LIFE</b>			
Two years when stored at 21° C (70° F), 50 % relative humidity, out of direct sunlight.			
<p><b>Important</b> – 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.</p> <p>All Avery Dennison materials described herein are sold subject to Avery Dennison's Conditions of Sales, a copy of which is available on request.</p>			

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Avery Dennison™ is a trademark of Avery Dennison Corporation.

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