

# Avery Dennison™ FT 3005

## ◆ DESCRIPTION

Avery Dennison™ FT 3005 is a double-linered transfer tape specifically developed for heavy duty bonding applications requiring a high shear performance and/or moisture, chemical, UV or temperature resistance and for which typically sheets are used during conversion or application.

## ◆ CONSTRUCTION

Adhesive :	Cross-linked acrylic adhesive, typified by a medium tack, a very high shear and temperature performance
1 <sup>st</sup> Liner :	White polyethylene protected paper with red “Avery Dennison”-imprint and multiple inkjet identification of grade and batch number in machine direction
Carrier :	FT 3005 is a 125 micron unsupported adhesive film.
2 <sup>nd</sup> Liner :	White polyethylene protected paper

## ◆ FEATURES & BENEFITS

Features	Benefits
* 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 liners	* Combines a high degree of moisture stability with excellent diecutting properties.
* Easy release liner	* Easy conversion into sheets showing excellent lay-flat
	* Enables smooth removal during application, with lower release level on unprinted liner for consistent removal
* 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 and whose storage or conversion is done in sheet form. Typical examples are the bonding of ceramic, glass, metal and plastic constructions such as nameplates, decorative trim or membrane switch panels onto household appliances, medical equipment, into cars, trucks, electronic office equipment, mobile phones or computers. 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.



# Avery Dennison<sup>TM</sup> FT 3005

Physical Properties	Typical Values	Units	Test Methods
<b>THICKNESS</b>			
Liner (imprinted) :	128	microns	ATM .7
Adhesive :	125	microns	
Liner :	128	microns	
Total	381	microns	
<b>TACK</b> (Finat)	820	N/m	ATM.8-FINAT.9
<b>ADHESION</b> (180° peel)			
	<u>20min</u>	<u>24h</u>	ATM.1-PSTC.1
Stainless steel	580	650	
Polycarbonate	610	650	
Polyester	540	560	
Rigid polypropylene	220	240	
<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<sup>TM</sup> is a trademark of Avery Dennison Corporation.

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