



## FBD 8393 12 PT BD

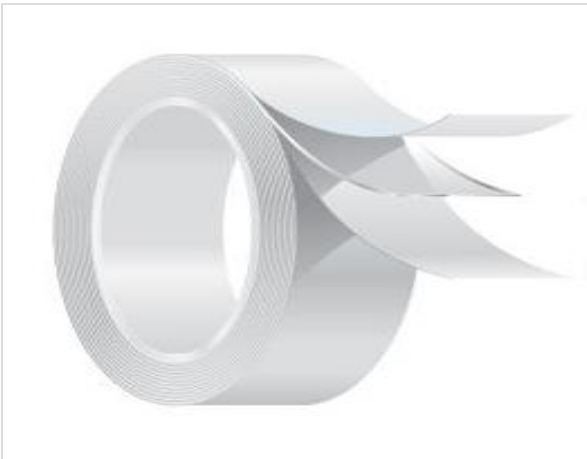
Avery Dennison™ Avery Dennison FBD 8393 12 PT BD is a 3.9 mil double coated polyester with a foam bonding acrylic adhesive on the laminating side and a high shear rubber adhesive on the mounting side. It is designed for bonding a wide variety of foams and fabrics to low surface energy materials. FBD 8393 12 PT BD is commonly used for foam bonding applications in the automotive industry, where easy liner removal is desired during production.

### FEATURES

- Double coated tape construction with a differential adhesive system
- Foam Bonding Acrylic adhesive on the laminating side
- High shear rubber adhesive on mounting side
- Both adhesives contain a biocide to inhibit mold growth
- Polyester film carrier
- 12 point poly coated kraft board release liner

### BENEFITS

- Dimensional stability and good die cutting characteristics
- Strong bond to high and medium surface energy materials and good foam bonding performance
- Strong bond to a wide variety of low surface energy materials and high heat resistance
- Two Year Warranty



### CONSTRUCTION:

**Liner:**

12 PT BD

**Adhesive:**

Rubber

**Carrier:**

Polyester

**Adhesive 2:**

Acrylic

Adhesive Properties:		Typical Values		
Thickness	ASTM D3692	US Mils	MM's	Micron's (µm)
Liner		12.9	0.33	328
Adhesive		1.4	0.04	36
Carrier		0.5	0.01	13
Adhesive 2 - Unwind		2.0	0.05	51
Total Caliper without Liner:		3.9	0.10	99
Total Caliper:		16.8	0.43	427

Peel Adhesion		ASTM D3330		
180° 12 in (300 mm) min @ Room Temp				
Substrate		Lbf / in	N / Meter	
SS	Liner 72 HR DWELL	8.0	1,409	
	UNWIND	5.5	969	

Peel Adhesion		ASTM D3330		
180° 12 in (300 mm) min @ Room Temp				
Substrate		Lbf / in	N / Meter	
SS	Liner 72 HR DWELL	6.5	1,145	

Loop Tack		ASTM D6195		
180° 20 in (508 mm) / min LOAD @ Room Temp				
Substrate		Lbf / In	N / Meter	
SS		13.0	2,289	

Static Shear		ASTM D6195		
180° 1" sq (6.5cm <sup>2</sup> ) 1000g @ Room Temperature				
Substrate		Min to Fail		
SS		> 10,000		

TEMPERATURES	° F	° C
Minimum Application Temperature	50° F	10° C
Minimum Service Temperature	-40° F	-40° C
Maximum Service Temperature	175° F	80° C

THE LISTED VALUES ARE TYPICAL AND NOT INTENDED TO SERVE AS PRODUCT SPECIFICATIONS

#### APPLICATION TECHNIQUES

- 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 or oil
- Bond strength is dependent upon the amount of adhesive-to-surface contact developed
- Note that different pressure, time and temperature on different (film / rigid) surface achieves different performance

#### STORAGE / SHELF LIFE

- Two years when stored at 64-72°F (18-22°C) / 30-70% relative humidity, out of direct sunlight and in original packaging.

Please refer to [Tapes.AveryDennison.com](http://Tapes.AveryDennison.com) for complete terms and conditions, including warranty terms, relating to this product. You should periodically review the site as terms and conditions are subject to change without notice.

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Asia Pacific  
Kunshan, China,  
NO. 618 Nanhe Road  
Kunshan Economic &  
Technological Zone  
China, 215335  
+86 512 57155001  
Fax: +86 512 57155059

Europe  
Tieblokkenlaan 1  
B-2300 Turnhout  
Belgium  
+32 (0)14 40 48 11  
Fax: +32 (0)14 40 48 55

North America  
250 Chester Street  
Painesville, Ohio  
44077 USA  
+1 866-462-8379  
Fax: +1 888-358-4469