

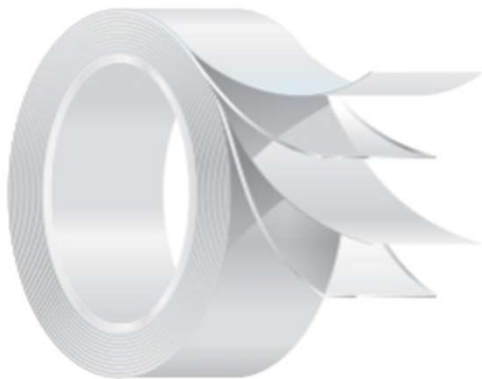


FBD 8393

Avery Dennison FBD 8393 is a 4.1 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 the next generation of FT 8392, and offers better foam bonding to a wider variety of foams to low surface energy materials. FBD 8393 is commonly used for foam bonding applications in the general industry and automotive segments.

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
- Super calendered kraft 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:

80# White Kraft

Adhesive 1:

Rubber

Carrier:

Polyester

Adhesive 2:

Acrylic

FBD 8393

Adhesive Properties:		Typical Values		
Thickness	ASTM D3652	US Mils	MM's	Micron's (µm)
Liner		4.4	0.11	112
Adhesive 1 - Liner		1.6	0.04	41
Carrier		0.5	0.01	13
Adhesive 2 - Unwind		2.0	0.05	51
Total Caliper without Liner:		4.1	0.10	104
Total Caliper:		8.5	0.22	216

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
PP	LINER	72 HR DWELL	6.5	1,145

Static Shear		ASTM D3654		
180° 1" sq (6.5 cm2) 1000 g @ Room Temp				
Substrate			Min to Fail	
SS	LINER	24 HR DWELL	> 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.

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