



## AFB™ 9412B EZ

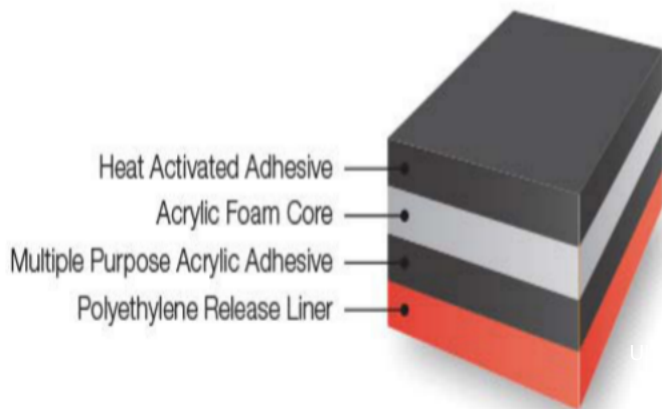
Avery Dennison™ AFB™ 9412B EZ is a black acrylic foam tape with two different adhesive systems. The heat activated adhesive on the non-liner side provides a quick durable bond to most EPDM substrates. The liner side adhesive is a pressure sensitive adhesive, with high adhesion and holding strength that bonds to a wide variety of substrates, including metal and paints. This product has excellent adhesion and shear strength while providing UV exposure and elevated temperature resistance.

### FEATURES

- Foam tape with viscoelastic acrylic foam carrier
- Closed cell structure
- Heat activated adhesive
- High tear strength polyethylene liner
- Siliconized polyethylene liner

### BENEFITS

- High adhesion combined with good shear and stress relaxation stress relaxation
- Absorbs shock and distributes stress evenly
- Good high temperature resistance
- High bond strength to irregular or curved surfaces
- Very good holding power
- Easier liner release



### CONSTRUCTION:

#### Adhesive 2:

Black Heat Activated

#### Carrier:

Grey Acrylic Foam Core

#### Adhesive 1:

Black Multipurpose Acrylic

#### Liner:

Siliconized Red Polyethylene Liner

**AFB™ 9412B EZ**

**Adhesive Properties:**

**Typical Values**

Thickness	ASTM D3652	US Mils	MM's	Micron's (µm)
Liner		5.1	0.13	130
Carrier & Adhesive		43.3	1.10	1100
Total Caliper without Liner:		43.3	1.10	1100
Total Caliper:		48.4	1.23	1229

**Peel Adhesion**

ASTM D3330

90° 12 in (300 mm) min @ Room Temp

Substrate			Lbf / in	N / Meter
SS	Liner	1 hr dwell	5.0	881
SS	Liner	7 days @ RT	7.9	1,391
SS	Liner	7 days @ RH	6.8	1,197
SS	Liner	7 days @ 80°C (176°F)	8.2	1,444
E-Coated Metal	Liner	1 hr dwell	3.7	652
E-Coated Metal	Liner	7 days @ RT	6.8	1,197
E-Coated Metal	Liner	7 days @ RH	6.5	1,145
E-Coated Metal	Liner	7 days @ 80°C (176°F)	8.2	1,444

**Dynamic Shear**

ASTM D1002

180° 0.5 in (12.7 mm) / min @ Room Temp

Substrate			Lbf / in	N / Meter
Automotive MSE Clear Coat	Liner	24 hr dwell	94.3	16,606

**Static Shear**

ASTM D3654

180° 1" sq (6.5 cm2) 1000 g @ Room Temp

Substrate			Min to Fail
SS	Liner	Initial	> 10,000
		Unwind	> 10,000

**TEMPERATURES**

	° F	° C
Minimum Service Temperature	212° F	100° C
Maximum Service Temperature	302° F	150° 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 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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