



FT 0031

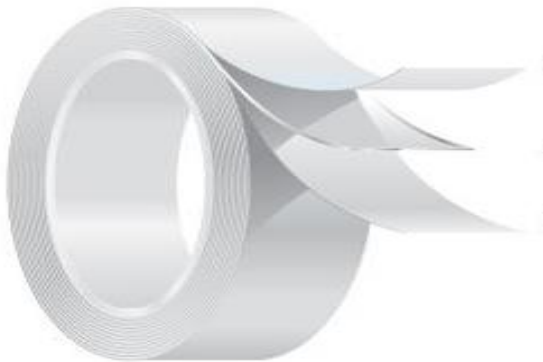
Avery Dennison™ Part of the Volt Tough™ EV Battery Portfolio, Avery Dennison FT 0031 is blue, single coated tape utilizing a proprietary stretch film and an acrylic adhesive. With 11.22 kV of dielectric strength (AC) along with conformable and tear resistant properties. This tape is recommended for various electrical insulation applications inside EV battery packs. It can be applied to unique geometries and can withstand some metal forming operations.

FEATURES

- Proprietary, stretchable facestock
- Dielectric facestock
- Pure Acrylic Adhesive

BENEFITS

- Conformable to unique geometries, withstands metal forming
- High dielectric strength
- Excellent bond to metallic battery pack components



CONSTRUCTION:

Liner:

Clear PET

Adhesive:

Acrylic

Carrier:

Blue Polyolefin

Adhesive Properties:		Typical Values		
Thickness	ASTM D3692	US Mils	MM's	Micron's (µm)
Liner		2.0	0.05	51
Adhesive		1.1	0.03	28
Carrier		3.0	0.08	76
Total Caliper without Liner:		4.1	0.10	104
Total Caliper:		6.1	0.15	155

Peel Adhesion		ASTM D3330		
180° 12 in (300 mm) min @ Room Temp				
Substrate		Lbf / in	N / Meter	
SS	Liner INITIAL	3.0	528	

Peel Adhesion		ASTM D3330		
180° 12 in (300 mm) min @ Room Temp				
Substrate		Lbf / in	N / Meter	
Aluminum	INITIAL	4.3	757	

Elongation				
Substrate		%		
PANEL		>300%		

Peel Adhesion		ASTM D3330		
180° 12 in (300 mm) min @ Room Temp				
Substrate				
PANEL				

TEMPERATURES		° F	° C
Minimum Application Temperature		50° F	10° C
Minimum Service Temperature		-40° F	-40° C
Maximum Service Temperature		250° F	120° 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

- One year 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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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