



FT 0333 Flame Tough™

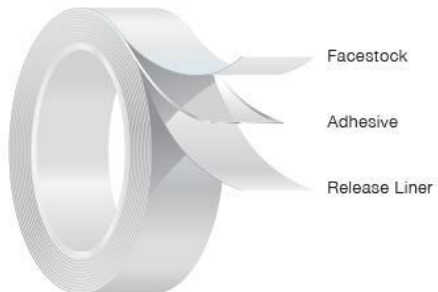
Avery Dennison FT 03BB is a single coated tape consisting of Flame Tough™ Acrylic and white high dielectric PET facestock recommended for flame retardant and dielectric requirements within EV battery packs and similar applications.

FEATURES:

- Flame retardant adhesive
- High Tack
- Dielectric face stock

BENEFITS:

- Enables composites to pass UL 94 and other flammability requirements
- Bonds well to low surface energy substrates and foams
- Adds dielectric strength where electrical insulation is needed to protect materials from high voltages and arcing



CONSTRUCTION:

Face

White Polyester

Adhesive

Flame Tough™ Acrylic

Liner

Clear Polyester



Performance
Tapes

FT 0333 Flame Tough™

Adhesive Properties:

Thickness	Test Method(s): PSTC-133	Typical Values		
		US Mils	MM's	Microns (µm)
Face		1.0	0.03	25.4
Adhesive		1.0	0.03	25.4
Liner		1.4	0.04	35.6
TOTAL CALIPER		3.4	0.1	86.4
TOTAL CALIPER W/O LINER (PART)		2.0	0.1	50.8

PEEL ADHESION

90° 12 in/min 23 °C/50% RH

Substrate			Lbf/in	oz/in	N/mm
SS	LINER	15 min dwell	1.5	24.3	0.3

LOOP TACK

12" min 23 °C/50% RH

Substrate			Lbf/in	oz/in	N/mm
SS	LINER	INITIAL	3.8	60.8	0.7

BREAKDOWN VOLTAGE

Substrate		kV
Brass		>4

Substrate			

Substrate			

TEMPERATURES	° F	° C
Min Application Temp	50 ° F	10 ° C
Min Continuous Operating Temp	-40 ° F	-40 ° C
Max Continuous Operating Temp	250 ° F	121 ° C
Max Intermittent Operating Temp	350 ° F	176 ° 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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Performance
Tapes

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