



FT 8065

Avery Dennison™ FT 8065 is a double coated tape consisting of Flame Tough™ Acrylic and Flame Tough™ Polyester carrier recommended for flame retardant and dielectric requirements within EV battery packs and similar applications.

FEATURES

- Flame retardance
- High tack
- Dielectric, flame retardant carrier

BENEFITS

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



CONSTRUCTION:

Liner:

60# White Kraft

Adhesive 1:

White Flame Tough™ Acrylic

Carrier:

Flame Tough™ White Polyester

Adhesive 2:

White Flame Tough™ Acrylic

FT 8065**Adhesive Properties:****Typical Values**

Thickness	ASTM D3652	US Mils	MM's	Micron's (µm)
Liner		3.5	0.09	89
Adhesive 1 - Liner		2.0	0.05	51
Carrier		1.6	0.04	41
Adhesive 2 - Unwind		2.0	0.05	51
Total Caliper without Liner:		5.6	0.14	142
Total Caliper:		9.1	0.23	231

Peel Adhesion

ASTM D3330

180° 12 in (300 mm) min @ Room Temp

Substrate			Lbf / in	N / Meter
SS	LINER	72 HR DWELL	3.1	546
	UNWIND		3.6	634

Substrate			Lbf / in	N / Meter
ABS	LINER	72 HR DWELL	3.2	564
	UNWIND		3.3	581

Substrate			Lbf / in	N / Meter
PP	LINER	72 HR DWELL	2.7	475
	UNWIND		3.3	581

Loop Tack

ASTM D6195

180° 20 in (508 mm) / min @ Room Temp

Substrate			Lbf / in	N / Meter
SS	LINER	INITIAL	3.0	528
	UNWIND		3.5	616

Static Shear

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

Substrate				
SS	LINER	24 HR DWELL	> 10,000	
	UNWIND		> 10,000	

Minimum Breakdown Voltage of Carrier

Substrate		kV
		6.1

TEMPERATURES

	° F	° C
Minimum Service Temperature	50° F	10° C
Maximum Service Temperature	350° F	175° 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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