FT 1165

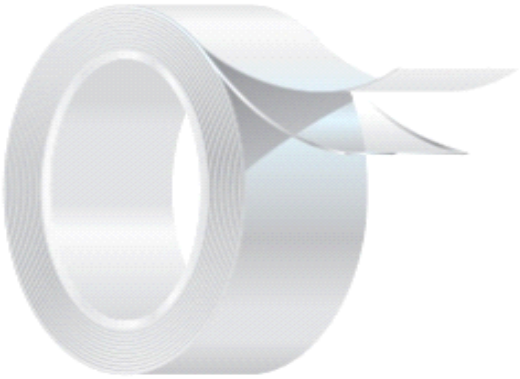
Avery Dennison FT 1165 is a single liner transfer tape of Flame Tough™Acyrlic recommended for flame retardant requirements within EV battery packs and similar applications.

FEATURES

- Flame retardance
- High tack
- Heavy liner

BENEFITS

- Enables composites to pass UL 94 and other flammability requirements
- Bonds well to low surface energy substrates and foams
- Easier processing for lamination and die cutting



CONSTRUCTION:

Liner:

83# White Kraft

Adhesive:

Flame Tough™ Acrylic

FT 1165

Adhesive Properties:		Typical Values		
Thickness	ASTM D3652	**US Mils**	**MM's**	**Micron's (µm)**
Liner		4.6	0.12	117
Adhesive		2.2	0.06	56
Total Caliper without Liner:		2.2	0.06	56
Total Caliper:		6.8	0.17	173

Peel Adhesion ASTM D3330

180° 12 in (300 mm) min @ Room Temp

Substrate		Lbf / in	N / Meter
SS	72 HR DWELL	3.5	616
ABS	72 HR DWELL	2.8	493
PP	72 HR DWELL	2.6	458

Loop Tack ASTM D6195

180° 32 in (508 mm) / min @ Room Temp

Substrate		Lbf / in	N / Meter
SS	INITIAL	2.4	423

Static Shear ASTM D3654

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

Substrate		Min to Fail	
SS	24 HR DWELL	> 10,000	

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 64-72ºF (18-22ºC) / 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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