



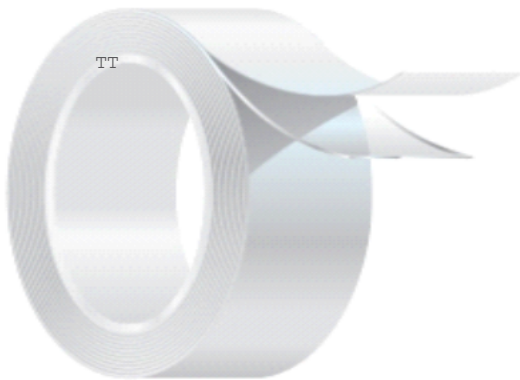
FT Y185

FEATURES

- Cross-linked acrylic adhesive
- Thick adhesive mass
- Polyethylene protected liner
- Easy release liner

BENEFITS

- Provides a very high temperature resistance and a high chemical, moisture and UV-light resistance
- Allows the bonding of irregular surfaces
- Combines a high degree of moisture stability and excellent die-cutting properties
- Enables smooth removal during application



CONSTRUCTION:

Liner:

Natural Poly-coated Kraft

Adhesive:

Acrylic

FT Y185**Adhesive Properties:**

Thickness		Typical Values		
ASTM D3652		US Mils	MM's	Micron's (µm)
Liner		5.4	0.14	137
Adhesive		4.3	0.11	109
Total Caliper without Liner:		4.3	0.11	109
Total Caliper:		9.7	0.25	246

Peel Adhesion

ASTM D3330

180° 12 in (305 mm) / min

Substrate		Lbf / In	N / Meter
SS	20 min dwell	6.2	1,092
	24 hr dwell	7.8	1,374
	72 hr dwell	7.8	1,374
Polycarbonate	20 min dwell	6.6	1,162
	24 hr dwell	8.5	1,497
	72 hr dwell	8.7	1,532
Painted Steel	20 min dwell	5.7	1,004
	24 hr dwell	6.9	1,215
	72 hr dwell	6.9	1,215
PP	20 min dwell	3.2	564
	24 hr dwell	3.7	652
	72 hr dwell	3.7	652

Loop Tack

ASTM D6195

180° 20 in (508 mm) / min

Substrate		Lbf / In	N / Meter
SS	Initial	4.1	722

Static Shear

ASTM D35474

180° 1" sq (6.5 cm2) 2500 g @ Room Temp

Substrate		Mins to Fail
SS	Initial	> 10,000

Static Shear

ASTM D3654

180° 1" sq (6.5 cm2) 2500 g @ 392°F / 200°C

Substrate		Mins to Fail
SS	Initial	> 10,000

TEMPERATURES

	° F	° C
Minimum Application Temperature	50° F	10° C
Maximum Continuous Operating Temperature	392° F	200° C
Maximum Intermittent Operating Temperature	482° F	250° 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](https://www.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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