



## FT 7512

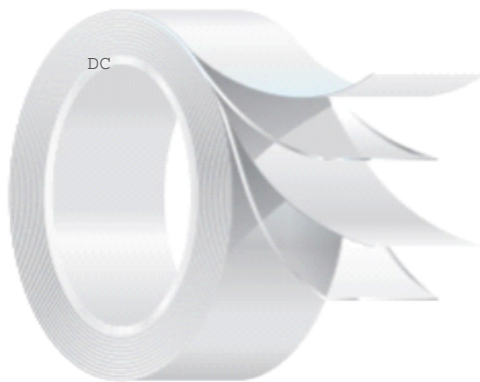
Avery Dennison™ FT 7512 is a double coated tissue tape specifically designed for dimensional stability and improved handling with ease of die cutting and laminating. Especially designed adhesive provides high adhesion to a variety of foam and fiber surfaces.

### FEATURES

- Very aggressive, strong permanent acrylic adhesive
- Controlled adhesive thickness
- Polyethylene coated release liner

### BENEFITS

- Provides high adhesion to a variety of foams, felts, non-woven and fibrous materials
- Offers high peel adhesion and initial tack
- Consistent application and adhesion performance
- Facilitates easy removal at point of application



### CONSTRUCTION:

**Liner:**

White Poly-coated Kraft

**Adhesive 1:**

Modified Acrylic

**Carrier:**

Tissue

**Adhesive 2:**

Modified Acrylic

**FT 7512**

| Adhesive Properties:         |            | Typical Values |      |               |
|------------------------------|------------|----------------|------|---------------|
| Thickness                    | ASTM D3652 | US Mils        | MM's | Micron's (µm) |
| Liner                        |            | 4.3            | 0.11 | 109           |
| Adhesive 1 - Liner           |            | 1.8            | 0.05 | 46            |
| Carrier                      |            | 1.0            | 0.03 | 25            |
| Adhesive 2 - Unwind          |            | 1.8            | 0.05 | 46            |
|                              |            |                |      |               |
| Total Caliper without Liner: |            | 4.6            | 0.12 | 117           |
| Total Caliper:               |            | 8.9            | 0.23 | 226           |

| Peel Adhesion             |       | ASTM D3330   |          |           |
|---------------------------|-------|--------------|----------|-----------|
| 180° 12 in (305 mm) / min |       |              |          |           |
| Substrate                 |       |              | Lbf / In | N / Meter |
| SS                        | Liner | 20 min dwell | 4.3      | 757       |
|                           |       | 24 hr dwell  | 5.5      | 969       |
| ABS                       | Liner | 20 min dwell | 5.0      | 881       |
|                           |       | 24 hr dwell  | 5.5      | 969       |
| Polycarbonate             | Liner | 20 min dwell | 6.4      | 1,127     |
|                           |       | 24 hr dwell  | 6.9      | 1,215     |
| PP                        | Liner | 20 min dwell | 6.4      | 1,127     |
|                           |       | 24 hr dwell  | 6.9      | 1,215     |

| Dynamic Shear             |       | ASTM D1002  |          |           |
|---------------------------|-------|-------------|----------|-----------|
| 180° 2 in (50.8 mm) / min |       |             |          |           |
| Substrate                 |       |             | Lbf / In | N / Meter |
| SS                        | Liner | 24 hr dwell | 54.8     | 9,650     |

| Loop Tack                 |       | ASTM D6195 |          |           |
|---------------------------|-------|------------|----------|-----------|
| 180° 20 in (508 mm) / min |       |            |          |           |
| Substrate                 |       |            | Lbf / In | N / Meter |
| SS                        | Liner | Initial    | 9.1      | 1,603     |

| Static Shear   |       | ASTM D3654 |              |  |
|--|-------|------------|--------------|--|
| 180° 1" sq (6.5 cm <sup>2</sup> ) 1000 g @ Room Temp |       |            |              |  |
| Substrate  |       |            | Mins to Fail |  |
| SS   | Liner | Initial    | > 10,000     |  |
|  |       | Unwind     | > 10,000     |  |

| TEMPERATURES                               | ° F    | ° C    |
|--|--------|--------|
| Minimum Application Temperature            | 50° F  | 10° C  |
| Maximum Continuous Operating Temperature   | 248° F | 120° C |
| Maximum Intermittent Operating Temperature | 266° F | 130° 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](http://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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