

# 777 Material

## TJT Thermal Transfer Printable Film



777 TJT film is a RoHS compliant, matte white 3.0 mil thermal transfer printable polypropylene film coated with an aggressive, permanent adhesive and backed with a 50 lb. roll form release liner.

**Table 1: Film Properties**

Property	Test Method	Value
Film Type		White
Caliper [mil]		3.0 mil
Tensile Strength MD [kg/mm <sup>2</sup> ]	ASTM D 882	Min. 12
Tensile Strength CD [kg/mm <sup>2</sup> ]	ASTM D 882	Min. 16
Elongation MD [%]		103
Elongation TD [%]		41
Elmendorf Tear MD [%]	ASTM D 1922	20
Shrinkage TD [%]	ASTM D1922	16
Gloss [%]	TAPP1 T-480	20
Brightness [%]	TAPPI T-525	95
Opacity [%]	TAPPI T-425	87
Surface Resistivity [ $\Omega$ /cm <sup>2</sup> ]	EN 45014	10 <sup>12</sup>

**Table 2: Adhesive Properties**

Property	Test Method	Value
Coating Weight [lb/3000ft <sup>2</sup> ]	3STM-03-C	13 $\pm$ 2
180° Peel (20 mil dwell on SS Panel) [lb/in]	PSTC #1	5.0
Loop Tack [oz/in <sup>2</sup> ]	TLMI L-1B1	95
Shear (1kg) [min/in <sup>2</sup> ]		8400
Minimum Application Temperature [°F]		40
Service Temperature [°F]		-50 to 150
FDA Compliance	21CFR175.105	Pass
Storage Stability [years]	70°F and 50% RH	1

**Table 3: Liner Properties**

Property	Test Method	Value
Liner Type		50lb. C1S
Basis Weight [lb/24x36-500]	T-410	53
Caliper [mils]	T-411	3.2
Tear MD [g]	T-414	53
Tear CD [g]	T-414	62
Tensile MD [lb/in]	T-494	41
Tensile CD [lb/in]	T-494	20

Although the information and recommendations set forth herein are presented in good faith and believed to be correct as of this date, Discount Jewelry Tags makes no representations as to the completeness or accuracy thereof. Information is supplied upon the condition that the person receiving the same will make their own determination as to the suitability for their purpose.

**Discount Jewelry Tags™**

2122 West 5th Place, Tempe, AZ 85281

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