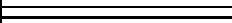





**Product:** 531T MATTE THERMAL TRANSFER POLYPROPYLENE OVERLAMINATE

**Description:** 531T is a thermal transfer printable matte biaxially-oriented polypropylene film with a low glare surface to facilitate electronic scanning. It offers outstanding thermal transfer printability for labels and tags requiring variable information such as expiration dates and barcoding data. 531T is coated with a clear emulsion acrylic adhesive system, offering excellent acid, chemical and oil resistance. This product meets specification for FDA file: 21 CFR 177.1520 and 21 CFR 175. Thorough testing should be performed in the user's printing environment, using their own equipment to determine suitability for specific label applications.

Matte Surface	
.001 Clear BOPP Film	
High energy treatment	
.0005 Emulsion Adhesive	

**Nominal:  
Values:**

**Construction:**

Backing (mils)	1.0	<b>Matte</b> Biaxially-Oriented Polypropylene Film
Adhesive (mils)	0.5	8 lbs. / Ream Emulsion Acrylic
Total Thickness (mils)	1.5	+/- 10% tolerance

**Performance:**

Peel Adhesion to steel (oz./in. of width)	13	30 min. conditioning
(180 degree peel @ 12 sec./in. Dwell)	16	24 hr. conditioning
Un-wind Adhesion (oz./in. of width)	11	30 min. conditioning
(180 degree peel @ 12 sec./in. Dwell)		
Film Elongation (% at break)	190	MD
	70	TD
Film Haze	64%	
Film Gloss @ 45 Degree	13%	
Temperature Range (degrees F)		
Application	+32 to +150	
Operating	-10 to +200	

**Roll Tolerances:**

Roll Length	+/- 5% of roll length	
Roll Width	+/- .0625 (1/16th)	
Appearance: (particulate contamination)	0 to 5	>100 micron
(parts / msi)	5 to 15	< 50 micron
	10 to 25	< 10 micron

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