



# product data 505 T

## Product: 505 T THERMAL TRANSFER POLYPROPYLENE FILM

**Description:** 505 T is a thermal transfer printable clear polypropylene film. Based on a tough biaxially-oriented polypropylene film, with high strength in the machine and cross directions, coated with a high grade, water clear emulsion acrylic system. 505 T offers excellent acid, chemical and oil resistance. 505 T prints successfully using a Dai Nippon #R316 ribbon on a Zebra printer at 2 inch per second and 85% burn rate. *“Testing should be done on your specific printer.”*

.001 Clear BOPP Film	
High energy treatment	
.0003 Emulsion Adhesive	

### Nominal: Values

### Construction:

Backing/Face	23 mic	Biaxially-Oriented Polypropylene film (BOPP)
Adhesive	7.5 mic	5 lbs./Ream Emulsion Acrylic
Total Thickness (mils)	30.5 mic	+/- 10% tolerance

### Performance:

Peel Adhesion to steel (oz/in of width) (180 degree peel @ 12 in/min. Dwell)	13	30 min. conditioning
	18	24 hr. conditioning
Un-wind Adhesion (oz/in of width) (180 degree peel @ 12 in/min. Dwell)	12	30 min. conditioning
Adhesive Tensile Strength (oz/in of width) (Loop tack)	13	
Film Elongation (% at break)	160	MD
	60	TD
Temperature Range (degrees F)		
Application	+32 to +150	
Operating	0 to +180	

### Roll Tolerances:

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

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