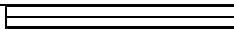





Product: 531 MATTE POLYPROPYLENE OVERLAMINATE

Description: Based on a tough 1 mil **matte** biaxially-oriented polypropylene film, offering a low glare surface to facilitate electronic scanning. This product features a high grade, water clear emulsion acrylic adhesive system. 531 offers excellent acid, chemical and oil resistance. This product meets specification for FDA file: 21 CFR 177.1520 and 21 CFR 175.

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

**Nominal:
Values:**

Construction:

Backing (mils)	1.0	Matte 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) (180 degree peel @ 12 sec./in. Dwell)	13	30 min. conditioning
	16	24 hr. conditioning
Un-wind Adhesion (oz./in. of width) (180 degree peel @ 12 sec./in. Dwell)	11	30 min. conditioning
Tensile Strength (oz./in 1"X1") (Loop Tack)	13	
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) (parts / msi)	0 to 5	>100 micron
	5 to 15	< 50 micron
	10 to 25	< 10 micron

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