




**Product:** 410 CLEAR POLYPROPYLENE OVERLAMINATE

**Description:** 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. 410 offers excellent acid, chemical and oil resistance. This product meets specification for FDA file: 21 CFR 177.1520.

.00075 Clear BOPP Film	
High energy treatment	
.0003 Emulsion Adhesive	

**Nominal:  
Values**

**Construction:**

Backing	.75	Biaxially-Oriented Polypropylene film (BOPP)
Adhesive	.3	5 lbs./Ream Emulsion Acrylic
Total Thickness (mils)	1.05	+/- 10% tolerance

**Performance:**

Peel Adhesion to steel (oz/in of width)	13	30 min. conditioning
(180 degree peel @ 12 in/min)	16	24 hr. conditioning
Un-wind Adhesion (oz/in of width)	12	30 min. conditioning
(180 degree peel @ 12 in/min)		
Adhesive Tensile Strength (oz/in of width)	13	
(Loop tack)		
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)	0 to 5	>100 micron
(parts / msi)	5 to 15	< 50 micron
	10 to 25	< 10 micron

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