

# 404 CLEAR POLYPROPYLENE OVERLAMINATE

## Product Technical Information

### Features and Applications

- Excellent acid, chemical, oil and scuff resistance.
- General purpose label protection.
- Ideal for milk jug, battery and water bottle applications.

### Physical Properties

Film	0.7 mil Clear Biaxially Oriented Polypropylene (BOPP)
Adhesive	0.25 mil High Grade Clear Emulsion Acrylic
Total Construction	0.95 +/- 10%

### Typical Technical Values

	Value	Test Method
Film Elongation at Break	160% MD 60% TD	ASTM D882
Adhesion to Steel	13 oz/in 30 min conditioning 16 oz/in 24 hr conditioning	180° peel at 12 in/min 180° peel at 12 in/min ASTM D3330/D3330M-04
Unwind Adhesion	12 oz/in 30 min conditioning	180° peel at 12 in/min
C.O.F.	0.45 (film to film)	ASTM D 1894
Application Temperature Range	32°F to 150°F	
Service Temperature Range	0°F to 180°F	

### Roll Tolerances

Roll Length	+/- 5%
Roll Width	+/- 0.0625 in (1/16th in)

### Storage and Handling

- Two years when stored at 70°F and 50% relative humidity.
- Rolls must be transported and stored on protected surfaces.
- Use caution when placing or removing roll from mandrel.

### Regulatory Compliance

RoHS, RoHS2, REACH, TSCA, Toy Safety Standard ASTM F963, CEPA, CONEG, FDA 21CFR175.105, 21CFR177.1520(c) (1.1) & (3.1). California Proposition 65

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