



## **Product: 320 Ultra-Thin Matt Polypropylene**

**Description:** Matt PP. Provides a soft non-glare Matt finish. Excellent acid, chemical oil and scuff resistance.

<b>Physical Properties</b>		
Film	18.03 $\mu$	Matt Biaxially Oriented Polypropylene (BOPP)
Adhesive	5.08 $\mu$	High Grade Clear Emulsion Acrylic
Total Construction	23.11 $\mu$	+/- 10%

<b>Typical Technical Values</b>	<b>Value</b>	<b>Method</b>
Film Elongation at Break	173% MD 63% TD	ASTM D882
Adhesion to Steel	2.2 n/25mm 30 min conditioning 3 n/25mm 24 hr conditioning	180° peel at 300 mm/min 180° peel at 300 mm/min ASTM D3330/D3330M-04
Unwind Adhesion	1 n/25mm 30 min conditioning	180° peel at 300 mm/min ASTM D3811/D3811M-96
Application Temperature Range	-1 to +65	°C
Service Temperature Range	-17 to +82	°C

<b>Roll Tolerances</b>		
	Roll Length	+/- 5%
	Roll Width	+/- 1.6mm

**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

### **Application and use**

Ideal for beverage, food and cosmetic labels.

### **Packaging**

The rolls are slit according to customer requirements. They are delivered on pallets or in cartons. Product description labels are fixed on rolls.

### **Shelf Life and Storage Conditions**

2 years when stored away from direct sunlight and heat, in a dark, dry place at a temperature of 20 °C  $\pm$  2 °C with a relative humidity of 50%,  $\pm$  5%.

Ref: #320 Self-Wound Matt Laminate

**Performance and Suitability.** We believe the statements and information contained herein are accurate but are to be used only as general guidelines and are not warrants or guarantees. Because of the variety of possible uses, there is no warranty of fitness for a particular purpose. This product may not be suitable for use on metallic or dark reverse printed labels. The buyer must test the suitability for each intended application before using. Label TIA Ltd will not be liable for damages in excess of the purchase price of its products or for incidental or consequential damages. Label TIA Ltd warrants its products to be from defects in material and workmanship. Should any failure to conform to this warranty appear within one year of the initial date of shipment Label TIA Ltd shall, upon notification thereof and substantiation that the products have been stored and applied in accordance with Label TIA Ltd's standards, correct such defects by suitable repair or replacement without charge at Label TIA Ltd's plant or at the location of the products (at Label TIA Ltd's election); provided, however, if Label TIA Ltd determines that repair or replacement is not commercially practical, Label TIA Ltd shall issue a credit in favour of the buyer in an amount not to exceed the initial purchase price of the product from Label TIA Ltd.