



MAGIC TB9

9 mil Tyvek® banner (*matte*)

PRINTER COMPATIBILITY



DESCRIPTION

Magic TB9 is a 9 mil, polyolefin indoor/outdoor Tyvek® banner featuring a subtle textured surface and matte finish. Ideal for long term banners, in environments such as tradeshow, sporting events and retail stores.

PHYSICAL CHARACTERISTICS

Thickness	9 mil +/- / 228 microns
Basis Weight	130 +/- g/m ²
Opacity	96%
Whiteness	114
Brightness	101
Gloss (60°)	2.1
Flame Spread Classification	ASTM E84, Class B
Minimum Exp. Temperature	10°F
Tensile Strength (MD/CD)	868 / 959 lbs / in
Initial Tear Resistance (MD/CD)	1080 / 840 lbs/in
Outdoor Life Expectancy*	6 months
Indoor Life Expectancy*	1 year

**All values are targets*

FEATURES AND BENEFITS

- Durable Tyvek® base material
- Water & fade resistant coating
- Excellent print performance
- Excellent ink adhesion
- Excellent black density and color pop
- Water / fade / scratch resistant coating
- Smooth matte finish
- Short term outdoor durable
- Can be grommeted and welded

COMMON APPLICATIONS

- Fence banners (grommet)
- Hanging banners (pole pocket)
- Pole banners (street signs)
- Short term signs
- Construction banners

PROCESSING TIPS

- Preferred side out

FINISHING & PRINTING

- Printers should be set for highest print quality
- Maximum ink saturation level for aqueous is 250%
- Heavy Weight Coated Paper selection should be used
- Dry time will vary depending on ink type and saturation level used
- Maximum ink saturation level for solvent/eco solvent is 350%
- Pigmented inks provide the best long term water and UV resistance
- Dye based inks provide moderate water and UV resistance
- Over saturation can affect water fast properties
- Recommended heat settings: preheat 42°C and post heat 37°C
- Vinyl PSA is not required but can be added for additional protection and increased lifetime
- Laminating one side can result in curl toward the laminated side
- Hemming is optional
- Grommets can be reinforced with a few layers of TB2
- High tack banner tape is recommended over sewing as it can scratch the coating

SHELF LIFE

2 years from ship date

STORAGE CONDITIONS

Temperature	50-85° F (10-30° C)
Relative Humidity	30-65%

OPTIMAL PRINTING ENVIRONMENT

Temperature	50-85° F (10-30° C)
Relative Humidity	30-65%

