



**PRODUCT DATA SHEET**

Date: 04/26/2024

**Spinnaker**  
 550 Summit Avenue  
 Troy, Oh 45373  
 800 543-9452

**3.0 mil TC Matte White Polypropylene \*\* Frostbite™ \*\* 40# liner**

Item#: 0041889

Recommended Print Type(s) to Test	----- TRIMLESS PROGRAMS -----			
	Dist. Ctr	Length	Min. Width	Core
Thermal Transfer Films	Troy, Ohio	5 K	3"	3"
Flexo	Troy, Ohio	10 K	4"	3"

This face/adhesive combination conforms to BS5609: 1986 Section 2 - 'Maritime and Laboratory Performance of Label Base Materials for drum labelling.

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Facestock: **3.0 mil TC Matte White Polypropylene**      A white, mineral-filled, biaxially-oriented polypropylene film for use in a variety of printing and converting applications where durability, strength, and superior printability are key. One side is matte with a special print-receptive coating and the other is a satin gloss. Its key attribute is excellent thermal transfer printability. It will not tear unless an edge is nicked. Outdoor durability is about 3 to 6 months, depending on climatic conditions.

	<b>Typical Value</b>
Basis Weight:	42.5 #/3300 ft <sup>2</sup>
Caliper:	3.0 mils
Tensile MD/CD:	11352 / 17028 PSI
Elongation @ Break MD/TD:	131 / 34%
Opacity:	87%

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Adhesive: **Frostbite™**      A highly aggressive rubber based adhesive featuring excellent initial tack and ultimate adhesion when applied at freezer conditions. Also an excellent choice when applied to packaging materials at room temperature and then subjected to -40F blast freezing conditions. It will adhere to variety of surfaces despite specific amounts of frost and/or moisture (testing is recommended). When used in warm environments (above room temperature), you will experience ooze and have converting issues.

	<b>Typical Value</b>
Coat Weight:	14 #/3300 ft <sup>2</sup>
Coat Weight:	20.72 grams/m <sup>2</sup>
Caliper:	.55 mils

Adhesion to Stainless Steel, oz. (90° Peel): 26  
Loop Tack, oz.: 53  
Service Temperature: -65 to 160 °F  
Minimum Application Temperature: -15 °F  
Shear (1000g): 57 minutes

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Release Liner: **40# liner** A bleached, calendered liner featuring excellent die cutting and stripping characteristics. Recommended for use in roll-to-roll applications.

	<b>Typical Value</b>
Basis Weight:	41 #/3000 ft <sup>2</sup>
Caliper:	2.5 mils
Tensile MD/CD:	34 / 21 #/inch
Tear MD/CD:	34 / 36 grams
Opacity:	69 max%

**Total Product Caliper:** 6.05 mils  
**Product Basis Weight Per MMSI:** 213.89 #  
**Shelf Life:** 12 month(s) when stored at 72° F, 50% RH

*For application recommendations call 877-210-5104  
For samples or other questions please call your Sales Representative.*

**Important Notice**

These are typical values and should not be considered a specification. Adhesive properties were tested with a film facestock unless denoted with an asterisk(\*).

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Last Revision: 01/24/2024