



**PRODUCT DATA SHEET**  
Date: 04/30/2025

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

**ScanTherm-Poly™ 4.0 \*\* Frostbite™ \*\* 40# liner**

Item#: 0046542

----- TRIMLESS PROGRAMS -----				
Recommended Print Type(s) to Test	Dist. Ctr	Length	Min. Width	Core
Direct Thermal Films	Troy, Ohio	5 K	3"	3"
Flexo	Troy, Ohio	10 K	4"	3"
	Troy, Ohio	2.5 K	3"	3"
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Facestock: <b>ScanTherm-Poly™ 4.0</b>	A top-coated, medium-to-high sensitivity, direct thermal polypropylene film facestock. This film demonstrates excellent environmental resistance and medium-to-high print speeds. Initial activation temperature (0.2 ODU) is 180 degrees F.			
	<b>Typical Value</b>			
Basis Weight:	53 #/3300 ft <sup>2</sup>			
Caliper:	4.1 mils			

Adhesive: <b>Frostbite™</b>	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.
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	<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:** 7.15 mils

**Product Basis Weight Per MMSI:** 236.00 #

**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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