



PRODUCT DATA SHEET

Date: 04/26/2024

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"

Facestock: **ScanTherm-Poly™ 4.0** 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.

Typical Value
 Basis Weight: 53 #/3300 ft²
 Caliper: 4.1 mils

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.

Typical Value
 Coat Weight: 14 #/3300 ft²
 Coat Weight: 20.72 grams/m²
 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

Release Liner: **40# liner**

A bleached, calendered liner featuring excellent die cutting and stripping characteristics. Recommended for use in roll-to-roll applications.

Basis Weight:

Typical Value
41 #/3000 ft²

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(*).

All trademarks are the property of their respective owners.

All information, recommendations for use, product designations, and descriptive materials about Spinnaker Pressure Sensitive Products, LLC products are believed to be reliable, but the furnishing of such information, recommendations for use, product designations, and descriptive material is for informational purposes only and does not constitute a warranty of any kind by Spinnaker Pressure Sensitive Products, LLC. Because of the variety of possible applications for Spinnaker's products and the continuing development of new applications, all Spinnaker Pressure Sensitive Products, LLC products are sold with the understanding that each purchaser will independently determine the suitability of any product for the purchaser's intended application, converting, and print processes. Spinnaker Pressure Sensitive Products, LLC will review, and may modify the information contained in this document from time to time and customers should ensure they have the most recent information.

Last Revision: 05/23/2023