

DIRECT THERMAL FILM TECHNICAL DATA SHEET*



mactac.com

49115 2.9 Mil ScanTherm Poly / B-122F / 50# Liner

Description

Product

Face: 2.9 Mil ScanTherm Poly

Total Construction

Caliper (Approx): **6.8 mils**

Adhesive: B-122F

Liner: 50# Liner

Face A biaxially oriented, multi-layer polypropylene film with a high sensitivity thermal coating. It offers environmental resistance to moisture, oils, and other agents. Initial activation temperature (0.2 ODU)

Physical Properties	Typical Value	Test Method
Caliper	.0030	TAPPI T-411
Tensile, lbs/in (YIELD)	30 MD 39 CD	TAPPI T-414
Tear	MD CD	TAPPI T-494
Opacity	86%	TAPPI T-425
Basis Weight 25" x 38"/500	40 lbs. +/- 10%	TAPPI T-425
Initial Activation Temp (O.D.=0.2)		185 ± 9°F (88 ± 5°C)
Effective Activation Temp (O.D.=0.8)		
Optimum Activation Temp (O.D.=1.55)		

Adhesive A clear all temp acrylic adhesive featuring excellent adhesion to a variety of surfaces with film facestocks. It covers a broad temperature range and has excellent converting characteristics on press. The high initial tack of B-122 F to low surface energy polyolefins makes it an ideal for blow on applications.

Physical Properties	Typical Value	Test Method
90° Peel Adhesion, lbs./in.		
Stainless Steel	1.5 lbs / in	PSTC-101F (30 min. applied)
Corrugate	lbs / in	PSTC-101F (30 min. applied)
Loop Tack		
Stainless Steel	2.93 lbs / in	PSTC-16A
Corrugate	lbs / in	PSTC-16A
Temperature Ranges		
Minimum Application Temperature	-10°F	
Service Temperature	-65°F - +200°C	

Disclaimer: Tested with 60# Semi-gloss paper properties at room temperature on standard lab panels. The service temperature listed is subject to limitations of the facestock and substrate used.

Liner A bleached, calendered liner featuring higher tensile and tear properties than the 50# liner, making it excellent for perforating, fan-folding, and edge-punching. Recommended for use in roll-to-roll applications.

Physical Properties	Typical Value	Test Method
Caliper, inches	.0032 +/- 10%	TAPPI T-411
Basis Weight 24"x36"/500	53 lbs. +/- 10%	TAPPI T-410

Shelf Life One year from the date of shipment, when stored at 72°F and 50% relative humidity.

*This document represents typical values and is not considered a specification.

The user is responsible for determining the product's suitability for all aspects of the application. If there are any questions about applications, or regulatory compliances please contact your Mactac sales representative to discuss your requirements for recommendations. If this is a printed Technical Data Sheet, it is an uncontrolled document. Please check the Mactac website for the latest, most-up-to-date version. The products discussed herein are sold without any warranty as to merchantability or any other warranty, expressed or implied.

Call **1-800-548-3456** for additional product information or visit www.mactac.com

TM Trademark of Morgan Adhesives Company LLC
® Registered Trademark of Morgan Adhesives Company LLC

Revised: 10/25 LL