

DIRECT THERMAL PIGGYBACK

TECHNICAL DATA SHEET*



mactac.com

49734NB

ScanTherm Ultra / BP-52 / 2.4 SCK Liner / BP-52 / 2.4 SCK Liner

Description

Product

Face: ScanTherm Ultra

Total Construction

Caliper (Approx): 9.3mils

Adhesive: BP-52 / BP-52

Liner: 2.4 SCK Liner / 2.4 SCK Liner

Face A standard sensitivity, ultra-low abrasion, general purpose direct thermal paper designed to cover a broad range of applications, including industrial and weigh scale applications. It is top-coated for resistance to water, oil, and other chemicals and offers good heat and light resistance.No Added Bisphenols.

Physical Properties

Caliper

Typical Value

0.00315

Test Method

TAPPI T-411

Tensile, lbs/in (YIELD)

35 MD 17 CD

TAPPI T-414

Tear

50 MD 40 CD

TAPPI T-494

Opacity

TAPPI T-425

Basis Weight 25" x 38"/500

20.5 lbs. +/- 10%

TAPPI T-425

Initial Activation Temp (O.D.=0.2)

190+ 9°F (88 +5°C)

Effective Activation Temp (O.D.=0.8)

223+ 9°F (106 + 5°C)

Optimum Activation Temp (O.D.=1.55)

270+ 9°F (132 + 5°C)

Adhesive

A general purpose acrylic adhesive with excellent die cutting characteristics and ultimate adhesion to a broad range of substrates. Well suited for small, cylindrical labeling and is glove friendly.

Physical Properties

90° Peel Adhesion, lbs./in.

Typical Value

Test Method

Stainless Steel

PT lbs / in

PSTC-101F (30 min. applied)

Corrugate

lbs / in

PSTC-101F (30 min. applied)

Loop Tack

Stainless Steel

4.62 lbs / in

PSTC-16A

Corrugate

lbs / in

PSTC-16A

Temperature Ranges

Minimum Application Temperature

40°F (4.4C)

Service Temperature

-40°to 200°F (-40°C to 93°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 excellent die cutting and stripping characteristics. Recommended for use in roll-to-roll applications.

Physical Properties

Caliper, inches

Typical Value

0.0025 +/- 10%

Test Method

TAPPI T-411

Basis Weight 24"x36"/500

41 lbs. +/- 10%

TAPPI T-410

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Adhesive A general purpose acrylic adhesive with excellent die cutting characteristics and ultimate adhesion to a broad range of substrates. Well suited for small, cylindrical labeling and is glove friendly.

Physical Properties

90° Peel Adhesion

Stainless Steel
Corrugate

Typical Value

PT lbs / in
lbs / in

Test Method

PSTC-101F (30 min. applied)
PSTC-101F (30 min. applied)

Loop Tack

Stainless Steel
Corrugate

4.62 lbs / in
lbs / in

PSTC-16A
PSTC-16A

Temperature Ranges

Minimum Application Temperature

40°F (4.4°C)

Service Temperature

-40°F to 200°F (-40°C to 93°C)

Disclaimer: Tested with 2.6 mil white BOPP film facestock 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 excellent die cutting and stripping characteristics. Recommended for use in roll-to-roll applications.

Physical Properties

Caliper

Basis Weight

Typical Value

0.0025+/- 10%

41 lbs. +/- 10%

Test Method

TAPPI T-411

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.

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