

DIRECT THERMAL PAPER TECHNICAL DATA SHEET*



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49657NB

ScanTherm Ultra / BC-20 / 40# Liner

Description

Product

Face: ScanTherm Ultra

Total Construction

Caliper (Approx): **6.25** mils

Adhesive: BC-20

Liner: 2.5 Mil 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

Brightness

92.5%

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 cold temperature hot melt adhesive featuring excellent adhesion to a variety of packaging materials and other substrates over a wide temperature range. It displays good die cutting and stripping characteristics. This adhesive performs well on wet and oily / greasy applications.

Physical Properties

90° Peel Adhesion, lbs./in.

Typical Value

Test Method

Stainless Steel

2.37 lbs / in

PSTC-101F (30 min. applied)

Corrugate

lbs / in

PSTC-101F (30 min. applied)

Loop Tack

Stainless Steel

4.5 lbs / in

PSTC-16A

Corrugate

lbs / in

PSTC-16A

Temperature Ranges

Minimum Application Temperature

10°F

Service Temperature

-50°F - 145°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

41.0 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.

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