

DIRECT THERMAL FILM TECHNICAL DATA SHEET*



DPT2902

4 Mil ScanTherm-Poly™

Description

Product

Face: 4 Mil ScanTherm-Poly™

Adhesive: BC-20™

Liner: 40# SCK

Total Construction

Caliper (Approx): 7.2 mils +/- 10%

Face A top-coated, medium-to-high sensitivity, direct thermal polypropylene film facestock. This film demonstrates excellent environmental resistance and medium-to-high print speeds

Physical Properties

Caliper

Typical Value

0.004 "

Test Method

ASTM D2103

Opacity

Brightness

Initial Activation Temp - (O.D. = 0.2)

176°F (80°C)

Effective Activation Temp - (O.D. = 1.0)

241°F (116°C)

Optimum Activation Temp - (O.D. = 1.34)

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

180° Peel Adhesion

Stainless Steel

Corrugate

Typical Value

2.3 lbs / in

lbs / in

Test Method

PSTC-101A (30 min. applied)

Loop Tack

Stainless Steel

Corrugate

4.8 lbs / in

lbs / in

PSTC-16A

Temperature Ranges

Minimum Application Temperature

10°F (-12°C)

Service Temperature

-50°F to 145°F (-45° to 62°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

Typical Value

0.0025 "

Test Method

TAPPI T-411

Basis Weight

41.00 lbs

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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