

# TECHNICAL DATA SHEET\*

mactac.com

## PTC8891-2

### 2 Mil Clear Polypropylene

#### Description

#### Product

Face: 2 Mil Clear Polypropylene

Adhesive: MP880

Liner: 1.2 Mil PET

**Total Construction  
Caliper (Approx):**

**4 mils +/- 10%**

**Face** A 2.0 mil clear, top-coated, biaxially oriented polypropylene (BOPP) film designed for applications where ultra clarity is needed for a “no label” look. Proprietary top coating delivers excellent adhesion for superior graphics and print receptivity for various methods including UV Flexo, Water Flexo, Gravure, UV Inkjet, Hot Stamp and Thermal Transfer. Great stiffness for efficient dispensability.

#### Physical Properties

Caliper  
Elongation at Break, % (YIELD)  
Tensile, lbs/in (YIELD)  
Opacity

#### Typical Value

0.002 " +/- 10%  
180 MD 55 CD  
20 MD 35 CD

#### Test Method

ASTM D2103  
ASTM D1922  
ASTM D589  
ASTM D882

**Adhesive** MP-880 is a permanent acrylic adhesive with excellent tack and ultimate adhesion to a variety of surfaces. MP-880 is designed for film and paper labeling applications. It exhibits good clarity, resistance to water whitening, and some open time (please test for suitability).

#### Physical Properties

180° Peel Adhesion  
Stainless Steel  
HDPE  
  
Loop Tack  
Stainless Steel  
HDPE

#### Typical Value

lbs / in  
lbs / in  
  
lbs / in  
lbs / in

#### Test Method

PSTC-101A (30 min. applied)  
PSTC-101A (30 min. applied)  
  
PSTC-16A  
PSTC-16A

#### Temperature Ranges

Minimum Application Temperature  
Service Temperature

**+40°F (4°C)**  
**-65°F to +200°F (-54°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 1.2 mil clear polyester liner with excellent die cutting, stripping and label dispensing. Primarily for roll-to-roll applications.

#### Physical Properties

Caliper  
Basis Weight

#### Typical Value

0.0012 " +/- 10%  
26.2 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.

Call **1-800-548-3456** for additional product information or visit [www.mactac.com](http://www.mactac.com)