



SUN PROCESS

Product Information Data

SU-PRO® MP SERIES

BRIGHT AND BRUSHED METALLIZED PRINT TREATED

POLYESTER FILMS

ROLL CONVERTING

<u>SERIES NUMBER</u>	<u>MATERIAL THICKNESS</u>	<u>WITH ADHESIVE</u>
MP100BS	1.0 mil	2.0 mil
MP100BG	1.0 mil	2.0 mil
MP200BS	2.0 mil	3.0 mil
MP200BG	2.0 mil	3.0 mil

Thickness \pm 10%, including adhesive

The following characteristics are on typical laboratory data:

DESCRIPTION: A series of bright and brushed metallized polyester films, providing a tough, abrasion resistant surface. These products are available in Bright and Brushed Silver, Bright and Brushed Gold.

APPLICATION IDEAS: SU-PRO® bright and brushed metallized polyester films have been designed as high quality surface covering or marking materials for use in applications such as product identification, nameplates, labels, decals, P.O.P. displays, and others that require durability, dimensional stability.

ADHESIVE: SP36 is a permanent acrylic pressure sensitive adhesive, specially formulated for use on PVC films. It resists plasticizer migration, which eliminates the need for added stabilization for most PVC films. This adhesive possesses good initial tack, peel, and shear values.

LINER: A 40 lb. Glassine release liner protects the adhesive prior to application.

PRODUCT VARIATIONS: This product is available with a variety of permanent and removable adhesives, as well as release liners. For specific applications, consult your Sun Process Sales Consultant.

For improved ink adhesion, top coating is also available for processes such as flexographic, offset, letterpress and screen printing.

ADHESION: (PSTC-101)* 180° peel values for SP36 acrylic pressure sensitive adhesive. 15 minute dwell time with 1 mil adhesive thickness:

MP100	50 oz./inch width
MP200	55 oz./inch width

ADHESION (continued): (PSTC-107)* shear adhesion, 1000 gram load on polyester film (1 inch²) with 1 mil adhesive thickness:

MP100	250 hours/no failure
MP200	250 hours/no failure

**Data are averages and are not to be used for specification purposes.*

DIMENSIONAL STABILITY: Excellent.

ABRASION RESISTANCE: Good.

WATER RESISTANCE: Excellent. Test piece aged 24 hours after application to stainless steel panel before testing. Not affected when immersed in 70°F (21°C) water for seven (7) days.

HUMIDITY RESISTANCE: Excellent.

SOLVENT RESISTANCE: Good resistance to most petroleum solvents and lower aliphatic alcohols. Poor towards most esters and ketones.

SERVICE TEMPERATURE RANGE: -50°F to 200°F (-46°C to 93°C)

MINIMUM APPLICATION TEMPERATURE: 50°F (10°C)

OPACITY: The films will completely hide black legend upon application.

COLORS AVAILABLE:	Brushed Silver	MP100BS	Brushed Gold	MP100BG
	Bright Silver	MP200BS	Bright Gold	MP200BG

STORAGE: Store under normal conditions of 60°F to 80°F (16°C to 27°C) and 40-60% R.H. in the original carton.

SHELF LIFE: To obtain best performance, use this product within twelve (12) months from date of manufacture.

ISO 9001:2015

This Sun Process product was manufactured under our quality system registered to ISO 9001:2015 standards

TECHNICAL INFORMATION

The technical information, recommendations and other statements contained in this document are based upon tests or experience that Sun Process believes are reliable, but the accuracy or completeness of such information is not guaranteed. They do not relieve the purchaser from the responsibility of examining the products upon delivery or provide assurance of the products suitability for a particular purpose. Suitability for any given application is the sole responsibility of the user.

SUN PROCESS CONVERTING, INC.

1660 Kenneth Drive, Mt. Prospect, IL 60056

Toll Free: (800) 323-0697 • In Illinois: (847) 593-0447 • Fax: (847) 593-0115

Website: www.sunprocess.com • Email: sales@sunprocess.com