



## **SUN PROCESS**

### **Product Information Data**

#### **SU-PRO® MPV SERIES**

#### **BRIGHT AND BRUSHED METALLIZED POLYESTER/VINYL**

#### **LAMINATE PRINT TREATED FILMS**

#### **ROLL CONVERTING**

<u>SERIES NUMBER</u>	<u>MATERIAL THICKNESS</u>	<u>WITH ADHESIVE</u>
MPV400FMS	4.0 mil	5.0 mil
MPV400FS	4.0 mil	5.0 mil
MPV400FG	4.0 mil	5.0 mil
MPV400FBS	4.0 mil	5.0 mil
MPV400FBG	4.0 mil	5.0 mil

*Thickness  $\pm$  10% including adhesive*

*The following characteristics are on typical laboratory data:*

**DESCRIPTION:** A series of print treated metallized polyester films laminated to white PVC film providing a tough, abrasion resistant surface.

**APPLICATION IDEAS:** SU-PRO® print treated metallized polyester/vinyl laminates 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, and the appearance of a bright or brushed metal-like finish.

**ADHESIVE:** SP36 is a permanent acrylic pressure sensitive adhesive. It was specially formulated for use on all PVC vinyls to prevent plasticizer migration while offering very high performance characteristics on 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 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.

MPV400      65 oz./inch width

(PSTC-107)\* shear adhesion, 1000 gram load (1 inch<sup>2</sup>) with 1 mil adhesive thickness:

MPV400      500 hours/no failure

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

<b>DIMENSIONAL STABILITY:</b>	Excellent. No measurable shrinkage on applied parts.			
<b>ABRASION RESISTANCE:</b>	Good.			
<b>WATER RESISTANCE:</b>	Good. 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.			
<b>HUMIDITY RESISTANCE:</b>	Excellent.			
<b>SOLVENT RESISTANCE:</b>	Good resistance to most petroleum solvents and lower aliphatic alcohols. Poor towards most esters and ketones.			
<b>SERVICE TEMPERATURE RANGE:</b>	-50°F to 250°F (-46°C to 121°C)			
<b>MINIMUM APPLICATION TEMPERATURE:</b>	50°F (10°C)			
<b>OPACITY:</b>	These bright and brushed metallized polyester/vinyl laminates will completely hide black legend upon application.			
<b>COLORS AVAILABLE:</b>	Bright Silver	MPV400FS	Bright Gold	MPV400FG
	Matte Silver	MPV400FMS		
	Brushed Silver	MPV400FBS	Brushed Gold	MPV400FBG
<b>STORAGE:</b>	Store under normal conditions of 60°F to 80°F (16°C to 27°C) and 40-60% R.H. in the original carton.			
<b>SHELF LIFE:</b>	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.*

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