



SUN PROCESS

Product Information Data

SU-PRO® MPV SERIES

BRIGHT AND BRUSHED METALLIZED POLYESTER/VINYL

LAMINATE PRINTABLE FILMS

SHEET CONVERTING

<u>SERIES NUMBER</u>	<u>MATERIAL THICKNESS</u>	<u>WITH ADHESIVE</u>
MPV400FMS/TC	4.0 mil	5.0 mil
MPV800FS	8.0 mil	9.2 mil
MPV800FG	8.0 mil	9.2 mil
MPV800FBS	8.0 mil	9.2 mil
MPV800RBS	8.0 mil	9.2 mil
MPV800FBG	8.0 mil	9.2 mil
MPV800RBG	8.0 mil	9.2 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 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 90 lb. poly flat white (PFW) release liner protects the adhesive prior to application and allows the film to remain flat in sheet form.

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-101)* 180° peel values for SP36 acrylic pressure sensitive adhesive. 15 minute dwell time with 1.25 mil adhesive thickness.

MPV800 70 oz./inch width

ADHESION (PSTC-107)* shear adhesion, 1000 gram load on polyester film (1 inch²) with 1 mil adhesive thickness:
(continued): MPV400 500 hours/no failure

(PSTC-107)* shear adhesion, 1000 gram load on polyester film (1 inch²) with 1.25 mil adhesive thickness:
MPV800 500 hours/no failure

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

DIMENSIONAL STABILITY: Excellent. No measurable shrinkage on applied parts.

ABRASION RESISTANCE: Good.

HUMIDITY RESISTANCE: Excellent.

WATER RESISTANCE: 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.

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: These metallized polyester/vinyl laminates will completely hide black legend upon application.

COLORS AVAILABLE:	Matte Silver	MPV400FMS/TC	Bright Gold	MPV800FG
	Bright Silver	MPV800FS		
	Brushed Silver	MPV800FBS	Brushed Gold	MPV800FBG
		MPV800RBS		MPV800RBG

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.

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