



## SUN PROCESS Product Information Data

### SU-PRO<sup>®</sup> PO SERIES OVERLAMINATING POLYESTER FILMS 40 LB. GLASSINE RELEASE LINER ROLL LABEL

<u>SERIES NUMBER</u>	<u>MATERIAL THICKNESS</u>	<u>WITH ADHESIVE</u>
PO100C	1.0 mil	2.0 mil
PO150C	1.5 mil	2.5 mil
PO200C	2.0 mil	3.0 mil
PO300C	3.0 mil	4.2 mil
PO100CM	1.0 mil	2.0 mil
PO200CM	2.0 mil	3.0 mil

*Thickness ± 10%, including adhesive*

*The following characteristics are on typical laboratory data:*

**DESCRIPTION:** A series of clear and clear matte polyester films that, once laminated, provide durable protection for surfaces prone to abuse.

**APPLICATION IDEAS:** SU-PRO<sup>®</sup> clear and clear matte polyester overlaminating films are intended for use as high quality durable films to enhance and protect images from abuse.

**ADHESIVE:** SP1-22UV is an ultra clear permanent UV resistant acrylic pressure sensitive adhesive. It possesses the smooth, even flow out characteristics required for its application as a pressure sensitive overlaminating film. The flow out characteristics of the adhesive can be enhanced by the application of heat during the lamination process.

**LINER:** A 40 lb. Glassine release liner is the standard liner used for our laminating films. A 1.2 mil clear polyester liner can be substituted for a glass smooth finish after application without the need for heat during the lamination process. Please consult your Sun Process Consultant.

**ADHESION:** (PSTC-101)\* 180° peel values for SP1-22UV acrylic pressure sensitive adhesive. 15 minute dwell time with 1 mil to 1.2 mil adhesive thickness.

PO100	50 oz./inch width
PO150	52 oz./inch width
PO200	55 oz./inch width
PO300	58 oz./inch width

(PSTC-107)\* shear adhesion, 1000 gram load on polyester film (1 inch<sup>2</sup>) with 1.5 mil adhesive thickness: 250 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>TRANSPARENCY:</b>	Film and/or adhesive will exhibit no yellowing or loss of transparency after two (2) years with normal vertical exterior exposure.
<b>ABRASION RESISTANCE:</b>	Good.
<b>WATER RESISTANCE:</b>	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.
<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 275°F (-46°C to 135°C)
<b>MINIMUM APPLICATION TEMPERATURE:</b>	40°F (4°C)
<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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