



DuPont Teijin Films™

MELINEX® PPLAM1 Family

Product Description

The PPLAM product family are used extensively in the fiberglass reinforced panel market and are designed for moderate adhesion to polypropylene. The three different film types above offer different surface finishes after the polyester has been removed. The film is also suitable for use in stamping foil, metallizing, and casting/release applications.

Melinex® PPLAM1S is a slightly hazy polyester film which is pretreated on one side for adhesion. The pretreated side is wound inside. PPLAM1SW would have the pretreatment wound on the outside.

Melinex® PPLAM1M is a translucent matte film having a medium surface gloss which is pretreated on one side for adhesion. The pretreated side is wound inside. PPLAM1MW would have the pretreatment wound on the outside.

Melinex® PPLAM1R is a translucent, matte, polyester film which has a rough surface which is pretreated on one side for adhesion. The pretreated side is wound inside. PPLAM1RW would have the pretreatment wound on the outside.

Melinex® PPLAM1S provides a Smooth finished surface

Melinex® PPLAM1M provides a Matte finished surface

Melinex® PPLAM1R provides a Rough finished surface

Melinex® PPLAM1S



Melinex® PPLAM1M



Melinex® PPLAM1R



Typical Properties

Available Thickness [Gauge]
65; 75; 92; 200

Property	Thickness	Value	Units	Test
OPTICAL				
Gloss 45 Degrees	65-200 (Smooth)	117		ASTM D523
Gloss 45 Degrees	65-200 (Matte)	38		ASTM D523
Gloss 45 Degrees	65-200 (Rough)	18		ASTM D523
Haze	65-200 (Smooth)	5 - 9	%	ASTM D1003
Haze	65 (Matte)	60	%	ASTM D1003
Haze	65-200 (Rough)	90	%	ASTM D1003
PHYSICAL				
C.O.F. (dynamic) A-B	65 - 200	0.3		ASTM D1894
Elongation at Break MD	65 - 200	100 - 150	%	ASTM D882
Elongation at Break TD	65 - 200	60 - 100	%	ASTM D882
F5-MD	65 - 200	14,000	psi	ASTM D882
F5-TD	65 - 200	13,000	psi	ASTM D882
Tensile Strength MD (break)	65 - 200	25,000	psi	ASTM D882
Tensile Strength TD (break)	65 - 200	32,000	psi	ASTM D882
THERMAL				
Shrinkage MD (190°C)	65 - 200	2.5 - 3.0	%	Unrestrained @ 190°C/5 min
Shrinkage TD (190°C)	65 - 200	-0.3 - 0.5	%	Unrestrained @ 190°C/5 min

Contact Info

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Disclaimer

Note: These values are typical performance data for DuPont Teijin Films' polyester film; they are not intended to be used as design data. We believe this information is the best currently available on the subject. It is offered as a possible helpful suggestion in experimentation you may care to undertake along these lines. It is subject to revision as additional knowledge and experience is gained. DuPont Teijin Films makes no guarantee of results and assumes no obligation or liability whatsoever in connection with this information. This publication is not a license to operate under, or intended to suggest infringement of, any existing patents.

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