

TORAY

Innovation by Chemistry

Lumirror® PS10

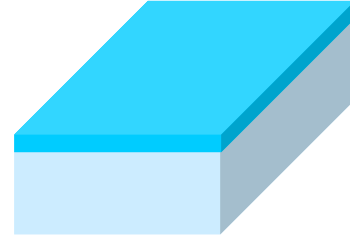
Technical Data Sheet

PS10 is a plain transparent asymmetrical polyester film with one side modified to improve printing, laminating, and extrusion adhesion for a wide variety of applications.

STRUCTURE

Amorphous PET
Adhesion Layer

Core Layer



KEY FEATURES

- Excellent mechanical properties
- Good machinability due to surface roughness properties
- Improved adhesion of inks, adhesives, cohesives and polyethylene on the modified surface
- Excellent silicone adhesion properties

SIMILAR PRODUCTS

- PA10
- PA30
- PA25

APPLICATIONS

- Industrial applications requiring a primed surface
- Packaging applications where FDA compliance for direct food contact is not required
- Release film applications where superior silicone adhesion is desired
- Extrusion coated applications where superior polyolefin adhesion is desired

TECHNICAL DATA

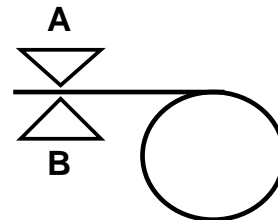
PROPERTIES		METHOD	UNITS	TYPICAL VALUES			
Thickness		-	0.00001"	36	48	92	200
Nominal Yield		-	in ² /lb	55,700	41,200	21,500	9,900
Tensile Strength at Break	MD	ASTM D882	lb/in ²	41,000	42,100	36,700	27,900
	TD			36,700	37,400	38,700	28,600
Young's Modulus	MD	ASTM D882	lb/in ²	743900	712600	685600	667100
	TD			743900	711200	746700	725400
Elongation at Break	MD	ASTM D882	%	107	109	142	183
	TD			116	120	124	123
Heat Shrinkage (150°C for 30 minutes)	MD	ASTM D1204	%	2.2	2.2	1.8	1.0
	TD			0.8	0.9	0.5	0.9
Coefficient of Friction	A-side vs. B-side	ASTM D1894	μ _s	0.5	0.4	0.3	0.3
			μ _D	0.4	0.4	0.3	0.3
Haze (1 sheet)		ASTM 1003	%	2.6	2.9	4.3	7.2

CONTACT

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WINDING DIRECTION

A = Treated Surface
B = Plain Surface



LUM PS-0082 Rev 12

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Lumirror® is a registered trademark of Toray Industries, Inc. for its range of Polyester Films based on Polyethylene Terephthalate (PET).

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