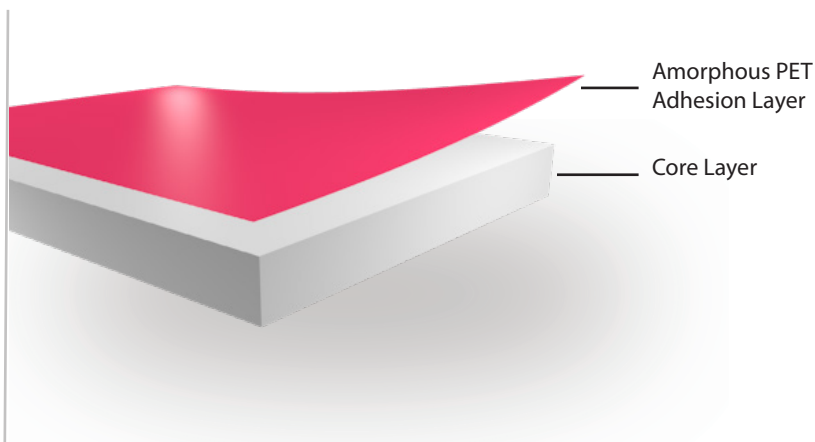


# LUMIRROR<sup>®</sup> PA10

## Applications

- Printing
- Laminating



Lumirror PA10

TWO LAYER PET FILM,  
ONE SIDE FOR ADHESION  
PROMOTION

## Summary

PA10 is a plain transparent asymmetrical polyester film with one side modified to improve printing and laminating adhesion in packaging.

## Technical Data \*

PROPERTIES		METHOD	UNITS	TYPICAL VALUES						
Thickness		-	micron	6.4	8.1	9.0	11.2	12.2	23.4	36.1
Nominal Yield		-	m <sup>2</sup> /kg	111.6	88.2	79.4	63.8	58.5	30.5	19.8
F-5	MD	ASTM D882	Mpa	105	109	108	108	108	105	104
	TD			93	99	99	100	100	102	103
Tensile Strength at Break	MD	ASTM D882	Mpa	260	274	278	280	280	239	217
	TD			238	250	249	253	253	272	251
Young's Modulus	MD	ASTM D882	Mpa	3,776	5,129	5,090	5,060	5,060	4,619	4,325
	TD			4,305	5,050	5,099	5,168	5,168	5,099	4,864
Elongation at Break	MD	ASTM D882	%	90	100	100	110	110	150	160
	TD			100	110	110	120	120	120	120
Heat Shrinkage (150°C for 30 minutes)	MD	ASTM D1204	%	2.8	2.4	2.4	2.2	2.2	1.9	1.9
	TD			1.6	1.4	1.1	1	1.0	0.6	1.0
Coefficient of Friction	A-side vs. B-side	ASTM D1894	μ <sub>s</sub>	0.8	0.6	0.5	0.4	0.4	0.4	0.3
			μ <sub>D</sub>	0.7	0.5	0.5	0.4	0.4	0.3	0.2
Haze (1 sheet)		ASTM 1003	%	2.9	3.2	3.3	3.6	3.6	5.7	6.9
MVTR - 38 °C, 90% RH		ASTM F1249	g/m <sup>2</sup> /day	86.8	68.2	60.5	49.0	45.0	21.7	15.5
O <sub>2</sub> Barrier - 23 °C, 0% RH		ASTM D3985	cc/m <sup>2</sup> /day	238.7	186.0	170.5	139.5	124.0	62.0	41.9

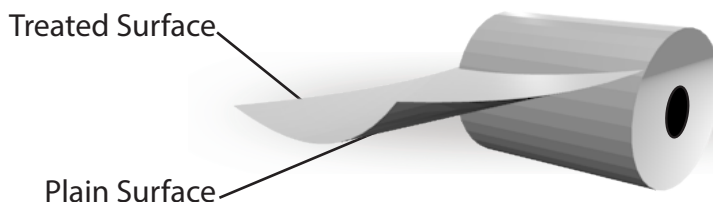
### Key Features

- Excellent mechanical properties
- Good machinability due to surface roughness properties
- Improved adhesion of inks, adhesives, cohesives and polyethylene on the modified surface
- Excellent dimensional stability at higher temperatures
- Complies with US FDA 21 CFR 177.1630 requirements for food packaging applications
- Drug Master File listed #17749

### Similar Products

- PA66
- PA15
- PA25

### Winding Direction



\* These values do not constitute specific binding specifications

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