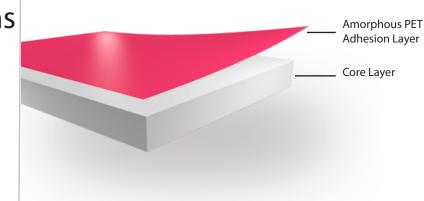
# **LUMIRROR® PA15**

## **Applications**

- Printing
- Laminating



# TWO LAYER PET FILM, ONE SIDE FOR ADHESION PROMOTION

### Summary

PA15 is a plain transparent asymmetrical polyester film with one side modified to improve printing and laminating adhesion in packaging.

Lumirror PA



#### 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		-	m2/kg	111.6	88.2	79.4	63.8	58.5	30.5	19.8
F-5	MD	ASTM D882	Мра •	105	109	108	108	108	105	104
	TD			93	99	99	100	100	102	103
Tensile Strength at Break	MD	ASTM D882	Мра •	260	274	278	280	280	239	217
	TD			238	250	249	253	253	272	251
Young's Modulus	MD	ASTM D882	Мра •	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.	ASTM D1894	$\mu_{S}$	0.8	0.6	0.5	0.4	0.4	0.4	0.3
	B-side		$\mu_{D}$	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/m2/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/m2/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
- PA10
- PA25

#### Winding Direction



#### \* These values do not constitute specific binding specifications

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