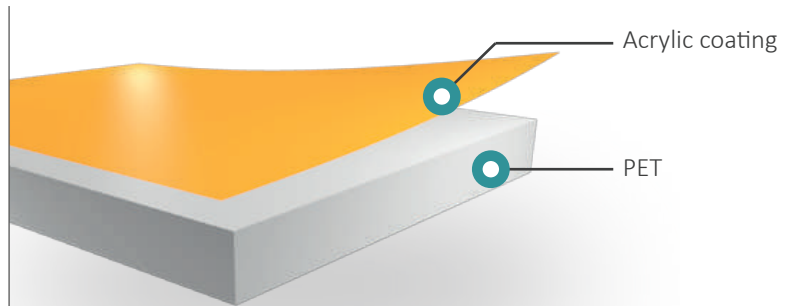


Lumirror® 10.31

Application

- High quality printing laminates
- Not suitable for converting in humid processes such as hot filling, pasteurization or sterilization



ASYMMETRICAL PET FILM
WITH ONE COATED SIDE

Benefits

- Improved adhesion of inks, adhesives on the treated side
- Excellent mechanical properties
- High thermal stability
- Good machinability due to surface roughness

Toray Films Europe SAS,
Place d'Arménie,
01700 Saint-Maurice-de-Beynost, FRANCE

To access Toray Films Europe's certifications list, please visit
www.torayfilms.eu/en/certifications

Typical Values *(These values do not constitute binding specifications)*

Properties	Test Method	Unit	4.5 µm	6 µm	8 µm	12 µm	19 µm
YIELD							
Unit Weight		g/m ²	6.3	8.4	11.2	16.8	26.6
Area Yield		m ² /kg	158.7	119	89.3	59.5	37.6
MECHANICAL							
Tensile Strength MD	ASTM D 882	daN/mm ²	23	24	23	21	20
Tensile Strength TD			21	22	22	21	21
Elongation at Break MD	ASTM D 882	%	70	82	90	100	120
Elongation at Break TD			95	98	100	100	100
THERMAL							
Shrinkage 150°C 30mn MD	Internal Method	%	2.0	2.0	2.0	1.8	1.5
Shrinkage 150°C 30mn TD			0.3	0.3	0.5	0.5	0.5
OPTICAL							
Gardner Haze	ASTM D1003	%	3.0	3.5	3.5	3.5	4.5
SURFACE							
Surface tension (coated side)	Internal Method	mN/m	43	43	43	43	43
Surface tension (PET side)			48	48	48	48	48
COF (plain/plain) static	ASTDM D1894		0.65	0.65	0.65	0.65	0.65
COF (plain/plain) dynamic			0.5	0.5	0.5	0.5	0.5

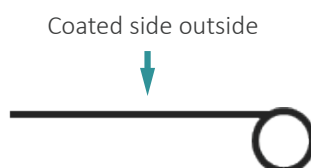
Regulation

Lumirror® 10.31 complies with European legal requirements of food contact applications. For Toray's certification concerning specific applications with each product, please refer to the 'Declaration of Compliance'.

Presentation of the rolls

Roll packaging: The rolls are suspended on standard paper core with internal diameter of 152.8mm. For all presentation, minimum roll width = 340mm and maximum roll width = 3400mm.

Returnable packaging: Wooden flanges, plastic flanges and pallets are returnable. The coated side is identified on the roll label.



Please contact us for...

- Any other presentation (width, length, core)
- Process for returnable packaging
- Any other information about typical values, measuring conditions, tolerances, deliveries...

Lumirror® is a registered trademark of Toray Films Europe SAS - TFE March 2023

DISCLAIMER: This leaflet is provided for informational purpose only and is not binding, nor can it constitute specifications to the buyer. The information contained in this document is based on numerous tests and trials we have carried out in our laboratories. Deviations from the results thus obtained can therefore be experienced depending on the actual conditions of use. This document does not provide any guarantee with regard to compliance of our product with the typical values indicated, nor does it provide any guarantee as the suitability of our products for any particular use.