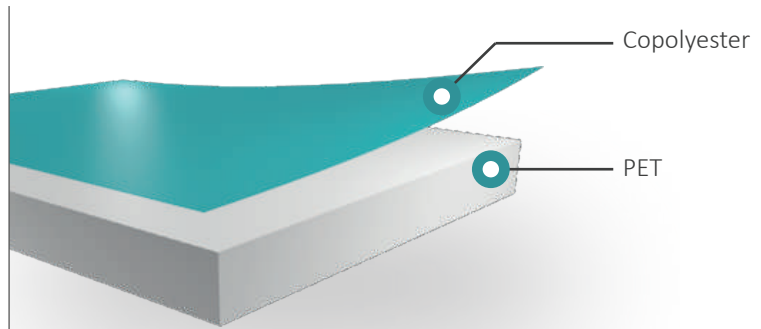


Lumirror® 10.21

Application

- High quality printed packaging applications
- Thermal treatment



ASYMMETRICAL PET FILM
WITH ONE COEXTRUDED SIDE

Benefits

- Resistance to thermal treatment
- Improved adhesion of inks, adhesives, cold seal and polyethylene on treated side
- 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	10 µm	12 µm	15 µm	18 µm	23 µm	36 µm
YIELD								
Unit Weight		g/m ²	14.0	16.8	21.0	25.2	32.2	50.4
Area Yield		m ² /kg	71.4	59.5	47.6	39.7	31	19.8
MECHANICAL								
Tensile Strength MD	ASTM D 882	daN/mm ²	20	20	20	21	21	21
Tensile Strength TD			22	22	21	23	25	25
Elongation at Break MD	ASTM D 882	%	110	110	107	120	120	130
Elongation at Break TD			90	90	85	85	90	110
THERMAL								
Shrinkage 150°C 30mn MD	Internal Method	%	1.7	1.7	1.7	1.7	1.7	1.5
Shrinkage 150°C 30mn TD			0.5	0.5	0.1	0.5	0.1	0.3
OPTICAL								
Gardner Haze	ASTM D1003	%	3.5	3.5	3.5	4.5	5	7
SURFACE								
COF (plain/plain) static	ASTM D1894		0.5	0.5	0.5	0.5	0.5	0.5
COF (plain/plain) dynamic		0.4	0.4	0.4	0.4	0.4	0.4	
BARRIER								
OTR, 23°C - dry	ASTM F1927	cm ³ /m ² .24h	//	120	96	85	63	40
MVTR, 38°C - 90% HR	ASTM F1249	g/m ² .24h	//	40	32	28	21	13

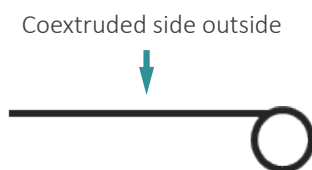
Regulation

Lumirror® 10.21 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 coextruded 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.