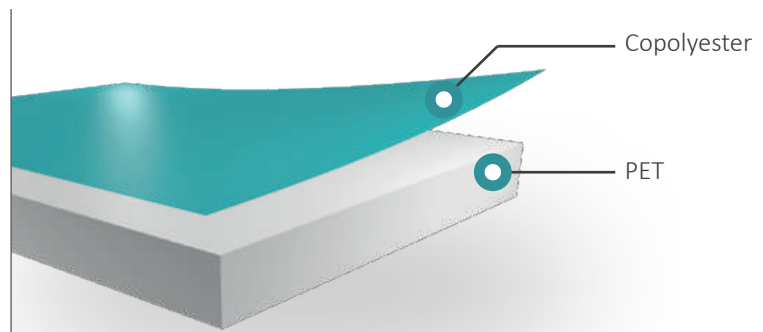


Lumirror® 10.91

Application

- High quality printed designs where a matt finish is needed



ASYMMETRICAL PET FILM MATT
COEXTRUDED SMOOTH SIDE

Benefits

- Permanent matt aspect
- Suitable for thermal treatment
- The smooth side is heat sealable on itself as well as on PETG, APET, CPET
- Improved adhesion of inks and adhesives on the coextruded treated side
- Excellent 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	12 µm	20 µm
YIELD				
Unit Weight		g/m ²	16.65	27.75
Area Yield		m ² /kg	60.1	36.0
MECHANICAL				
Tensile Strength MD	ASTM D 882	daN/mm ²	15	18
Tensile Strength TD			18	20
Elongation at Break MD	ASTM D 882	%	95	110
Elongation at Break TD			60	90
THERMAL				
Shrinkage 150°C 30mn MD	Internal Method	%	1.7	1.9
Shrinkage 150°C 30mn TD			0.4	0.4
OPTICAL				
Gardner Haze	ASTM D1003	%	48	60
Gloss 60°	ASTM D523		52	46
PRINTABLE SURFACE				
Roughness Ra	Coextruded side	nm	120	150
Roughness Rz		nm	780	1 000
Sealing 140°C - 1s		N/38mm	5.5	6.0

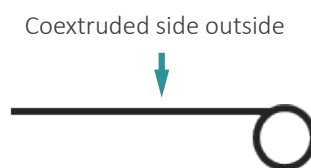
Regulation

Lumirror® 10.91 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 treated 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, delivered...

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.