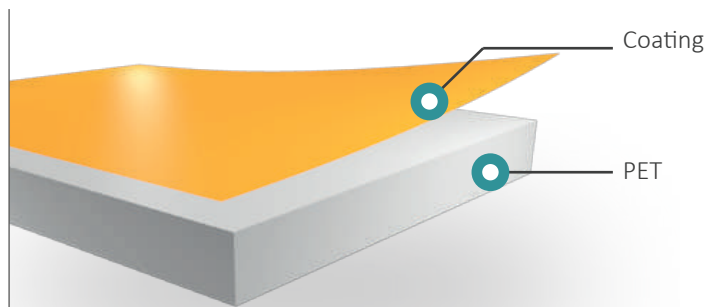


# Lumirror® 41.31

## Application

- Flexible printed circuits
- Optical applications
- Surface smoothness transfer



ULTRA CLEAR PET FILM WITH  
ONE SIDE CHEMICALLY TREATED

## Benefits

- High transparency (visible and UV)
- Ink adhesion (conductive, solvent-based and UV inks)
- Smooth side
- Good machinability

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](http://www.torayfilms.eu/en/certifications)

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

Properties	Test Method	Unit	75 µm	100 µm	125 µm	175 µm
<b>YIELD</b>						
Unit Weight		g/m <sup>2</sup>	105	140	175	245
Area Yield		m <sup>2</sup> /kg	9.5	7.1	5.7	4.1
<b>MECHANICAL</b>						
Tensile Strength MD	ASTM D 882	daN/mm <sup>2</sup>	18	20	21	19
Tensile Strength TD			22	20	23	21
Elongation at Break MD	ASTM D 882	%	160	140	130	150
Elongation at Break TD			120	130	110	115
<b>THERMAL</b>						
Shrinkage 150°C 30mn MD	Internal Method	%	1.1	1.5	1.4	1.0
Shrinkage 150°C 30mn TD			0.3	0.5	0.4	0.3
<b>OPTICAL</b>						
Gardner Haze	ASTM D1003	%	0.8	0.5	0.8	0.9
Total Light Transmission			91	91	91	91
<b>SURFACE</b>						
Roughness Ra	Internal Method	nm	13	13	13	14
Roughness Rz			140	140	150	140

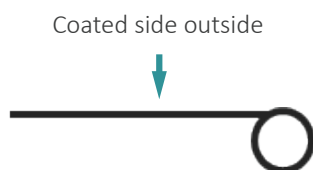
## Regulation

Lumirror® 41.31 does **not** comply 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.