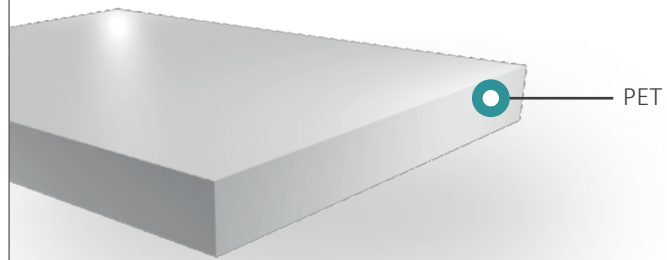


# Lumirror® 57.01

## Application

- RFID
- Electronic
- Electrical laminates
- FPC, FFC



LOW SHRINKAGE FILM  
WITH HIGH ROUGHNESS

## Benefits

- Low shrinkage
- Good flatness
- Excellent machinability due to high roughness on both sides

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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	50 µm	75 µm	125 µm
<b>YIELD</b>					
Unit Weight		g/m <sup>2</sup>	70	105	175
Area Yield		m <sup>2</sup> /kg	14.3	9.5	5.7
<b>MECHANICAL</b>					
Tensile Strength MD	ASTM D 882	daN/mm <sup>2</sup>	20	20	20
Elongation at Break MD					
<b>THERMAL</b>					
Shrinkage 150°C 30mn MD	Internal Method	%	0.7	0.5	0.8
Shrinkage 150°C 30mn TD					
<b>OPTICAL</b>					
Garner Haze			7.5	12.0	16.0
<b>SURFACE</b>					
Roughness Ra	Internal Method	nm	36	30	30
Roughness Rz					

## Regulation

Lumirror® 57.01 complies with European applicable requirements for 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 = 2100mm.

**Returnable packaging:** Wooden flanges, plastic flanges and pallets are returnable.

## 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.