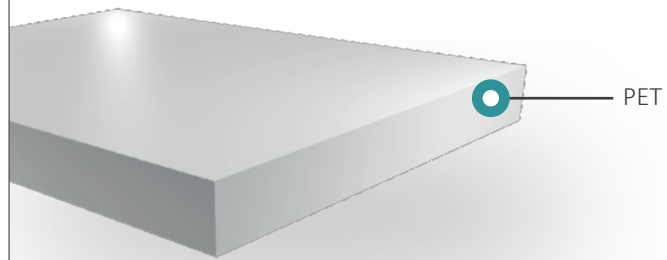


# Lumirror® 60.40

## Application

- Release liner



HAZY PET FILM WITH  
HIGH ROUGHNESS

## Benefits

- Thermal stability
- Good flatness
- Excellent machinability due to high roughness
- Certified UL 746 B (105°C) for all thickness and certified VTM2 from 50µm

**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	12µm	23µm	30µm	36µm	50µm	75µm	100µm	125 µm	250 µm
<b>YIELD</b>											
Unit Weight		g/m <sup>2</sup>	16.8	32.2	42.0	50.4	70.0	105.0	140.0	175.0	350.0
Area Yield		m <sup>2</sup> /kg	59.5	31.0	23.8	19.8	14.3	9.5	7.1	5.7	2.9
<b>MECHANICAL</b>											
Tensile Strength MD	ASTM D 882	daN/mm <sup>2</sup>	19	20	20	21	20	20	19	19	16
Elongation at Break MD		%	125	130	130	130	130	145	150	150	190
<b>THERMAL</b>											
Shrinkage 150°C 30mn MD	Internal Method	%	1.4	1.5	1.5	1.5	1.8	1.2	1.0	1.0	0.8
Shrinkage 150°C 30mn TD			0.2	0.1	-0.2	0.3	0.3	0.25	0.25	0.25	0.25
<b>OPTICAL</b>											
Gardner Haze	ASTM D1003	%	3.2	5.0	7.0	8.0	9.5	11.0	14.0	17.0	30.0
<b>SURFACE</b>											
Roughness Rz	DIN 4287	nm	320	350	350	350	400	450	550	580	730

## Regulation

Lumirror® 60.40 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

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