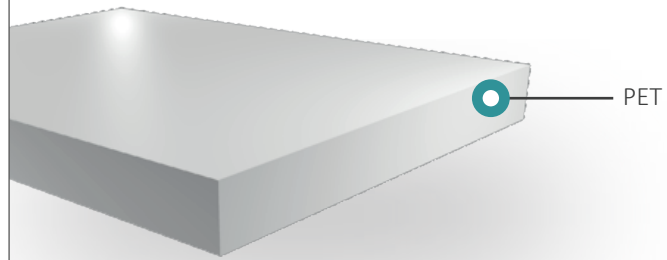


# Lumirror 44.41

## Application

- Designed for all industrial applications requiring high clarity



CLEAR SYMMETRICAL  
MICROROUGH PET FILM

## Benefits

- High dimensional stability
- High clarity to visual light and UV
- Good machinability due to microroughness on both sides
- UL 746 B certified

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

Properties	Test Method	Unit	23 µm	36 µm	50 µm	71 µm	96 µm	125 µm	175 µm
<b>YIELD</b>									
Unit Weight		g/m <sup>2</sup>	32.2	50.4	70.0	99.4	134.4	175.0	245.0
Area Yield		m <sup>2</sup> /kg	31.1	19.8	14.3	10.1	7.4	5.7	4.1
<b>MECHANICAL</b>									
Tensile Strength MD	ASTM D882	daN/mm <sup>2</sup>	26	23	22	21	20	21	20
Tensile Strength TD			28	25	25	23	22	22	22
Elongation at Break MD	ASTM D882	%	120	130	130	135	130	135	140
Elongation at Break TD			90	100	90	90	110	105	110
<b>THERMAL</b>									
Shrinkage 150°C 30mn MD	Internal Method	%	1.6	1.6	1.6	1.4	1.6	1.7	1.6
Shrinkage 150°C 30mn TD			1.2	0.7	1.4	1.2	0.4	0.4	0.8
<b>OPTICAL</b>									
Total Light Transmission	ASTM D1003	%	90	90	89	89	89	89	89
Gardner Haze			1.7	1.7	1.4	1.8	1.9	1.9	2.2
<b>SURFACE</b>									
Roughness Ra	Internal Method	nm	17	15	17	17	17	17	17
Roughness Rz			220	220	220	220	220	240	240

## Regulation

Lumirror® 44.41 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'. Lumirror® 44.41 is in accordance for all thicknesses with UL 746 B (105°C).

## 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.

## 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 September 2020

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