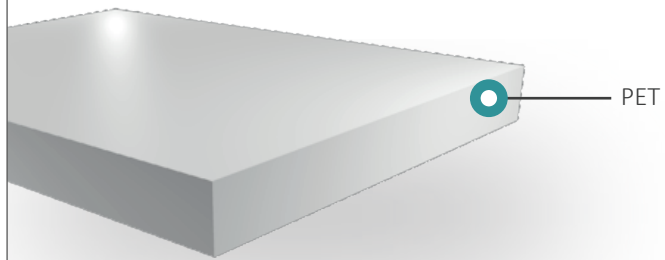


# Lumirror® 60.01

## Application

- Electrical insulation
  - Siliconizing
  - Mould release
- Printing & coating
  - Security



HAZY PET FILM WITH  
HIGH ROUGHNESS

## Benefits

- High dimensional stability
- Good flatness
- Excellent machinability due to high roughness
- Certified UL 746 B (105°C) for all thickness

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

Properties	Test Method	Unit	4µm	4.5 µm	5.7 µm	8 µm	10 µm	12 µm	15 µm	19 µm
<b>YIELD</b>										
Unit Weight		g/m <sup>2</sup>	5.6	6.3	8	11.2	14	16.8	20.6	26.6
Area Yield		m <sup>2</sup> /kg	178.6	158.7	125.3	89.3	71.4	59.5	48.5	37.6
<b>MECHANICAL</b>										
Tensile Strength MD	ASTM D 882	daN/mm <sup>2</sup>	29	31	28	20	21	22	22	22
Elongation at Break MD		%	77	86	95	100	115	130	130	130
<b>THERMAL</b>										
Shrinkage 150°C 30mn MD	Internal Method	%	2.5	2.4	2.2	2.5	2.0	1.6	1.6	1.3
Shrinkage 150°C 30mn TD			1.0	0.6	0.5	0.5	0.5	0.5	0.5	0.1
<b>OPTICAL</b>										
Gardner Haze	ASTM D1003	%	9	9.5	10	3.5	3.5	3.2	3.6	3.2
<b>SURFACE</b>										
Roughness Ra	Internal Method	nm	129	134	143	30	30	30	30	30
Roughness Rz			993	928	894	350	350	350	350	350
<b>ELECTRICAL</b>										
Break down voltage	JIS C2151	kV	*	*	2.4	2.8	3.0	3.4	4.6	5.1
Volume resistivity	ASTM D257	Ω	*	*	*	*	*	*	*	*

	23 µm	30 µm	36 µm	50 µm	75 µm	100 µm	125 µm	190 µm	250 µm	300 µm
	32.2	42	50.4	70	105	140	175	266	350	420
	31.1	23.8	19.8	14.3	9.5	7.1	5.7	3.8	2.9	2.4
	22	22	22	20	20	20	20	18	17	17
	130	130	130	130	130	145	140	170	190	190
	1.5	1.5	1.5	1.8	1.3	1.3	1.5	1.1	1.1	1
	0.1	0.1	-0.2	-0.1	0.3	0.4	0.3	0.5	0.4	0.4
	4	7	8	9.5	13.5	18.3	18.7	22.2	30	38
	30	40	40	45	30	30	30	30	40	40
	350	450	470	500	600	680	710	750	950	1000
	7.9	8.3	9	10.8	13.3	15.4	16.9	22.5	27	*
	*	*	*	*	*	*	*	3*10 <sup>18</sup>	1.6*10 <sup>18</sup>	*

## Regulation

Lumirror® 60.01 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 November 2018

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