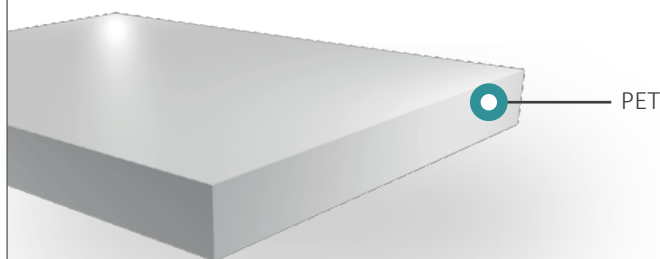


Lumirror® 60.01

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)
- UL Recognition : CTI II

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

Properties	Test Method	Unit	4µm	4.5 µm	6 µm	8 µm	10 µm	12 µm	15 µm	18 µm	19 µm	23 µm
YIELD												
Unit Weight		g/m²	5.6	6.3	8.4	11.2	14.0	16.8	20.6	25.2	26.6	32.2
Area Yield		m²/kg	178.6	158.7	119	89.3	71.4	59.5	48.5	39.7	37.6	31.1
MECHANICAL												
Tensile Strength MD	ASTM D 882	daN/mm²	29	27	27	20	21	19	19	20	19	20
Elongation at Break MD		%	78	80	90	100	115	125	120	110	130	130
THERMAL												
Shrinkage 150°C 30mn MD	Internal Method	%	2.5	2.4	2.3	1.7	2.0	1.4	1.4	1.7	1.2	1.5
Shrinkage 150°C 30mn TD			1.0	0.6	0.7	0.6	0.5	0.2	0.3	0.1	0.2	0.1
OPTICAL												
Gardner Haze	ASTM D1003	%	7.5	7.0	3.0	3.5	3.5	3.2	4.0	4.7	4.5	5.0
SURFACE												
Roughness Ra	Internal Method	nm	130	100	55	40	30	30	30	30	30	30
Roughness Rz			1010	900	500	400	350	320	330	330	320	350
ELECTRICAL												
Break down voltage	JIS C2151	kV	*	*	2.5	2.8	3.0	3.4	4.6	*	5.1	7.9
Volume resistivity	ASTM D257	Ω	*	*	*	*	*	*	*	*	*	*

Properties	Test Method	Unit	29 μm	30 μm	36 μm	50 μm	75 μm	100 μm	125 μm	190 μm	250 μm
YIELD											
Unit Weight		g/m²	40.6	42.0	50.4	70.0	105.0	140.0	175.0	266.0	350.0
Area Yield		m²/kg	24.6	23.8	19.8	14.3	9.5	7.1	5.7	3.8	2.9
MECHANICAL											
Tensile Strength MD	ASTM D 882	daN/mm²	20	20	21	20	20	19	19	18	16
Elongation at Break MD		%	130	130	130	130	145	150	150	170	190
THERMAL											
Shrinkage 150°C 30mn MD	Internal Method	%	1.5	1.5	1.5	1.8	1.2	1.0	1.0	1.0	0.8
Shrinkage 150°C 30mn TD			-0.2	-0.2	0.3	0.3	0.25	0.25	0.25	0.3	0.2
OPTICAL											
Gardner Haze	ASTM D1003	%	7.0	7.0	8.0	9.5	11.0	14.0	17.0	22.0	30.0
SURFACE											
Roughness Ra	Internal Method	nm	30	30	30	30	35	35	36	36	36
Roughness Rz			350	350	350	400	450	550	580	600	730
ELECTRICAL											
Break down voltage	JIS C2151	kV	8.3	8.3	9	10.8	13.3	15.4	16.9	22.5	27
Volume resistivity	ASTM D257	Ω	*	*	*	*	*	*	*	3*10^18	1.6*10^18

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...

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