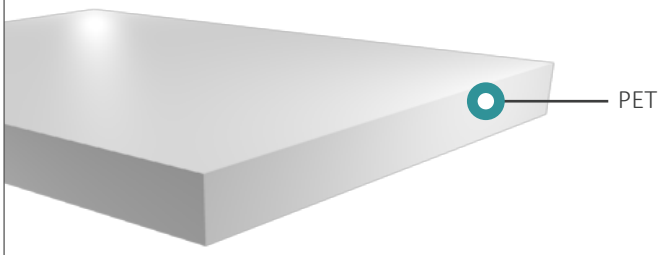
PRODUCT DATA SHEET

TORAY
Toray Films Europe

Lumirror™ 40.01

Application

• Graphic arts applications requiring high quality appearance: post lamination...



Lumirror 40.01

A CLEAR, UNCOATED, SYMMETRICAL, AND MICROROUGH PET FILM

Benefits

• High clarity to visual light and UV
• Good machinability due to micro-roughness on both sides
• High dimensional stability
• Good flatness

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

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
YIELD									
Unit Weight		g/m²	32.2	50.4	70.0	99.4	134.4	175.0	245.0
Area Yield		m²/kg	31.1	19.8	14.3	10.1	7.4	5.7	4.1
MECHANICAL									
Tensile Strength MD	ASTM D882	daN/mm²	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
THERMAL									
Shrinkage 150°C 30mn MD	Internal Method	%	1.6	1.6	1.5	1.5	1.5	1.6	1.5
Shrinkage 150°C 30mn TD			1.0	0.7	1.3	1.2	0.4	0.4	0.7
OPTICAL									
Total Light Transmission	ASTM D1003	%	90	90	89	89	89	89	89
Gardner Haze			1.6	1.6	1.5	1.7	1.6	1.6	2.0
SURFACE									
Roughness Ra	Internal Method	nm	16	15	16	16	16	16	16
Roughness Rz			200	200	200	200	200	220	220

Regulation

Lumirror™ 40.01 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'.

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 = 2800mm.

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 trademark of Toray Industries, Inc - TFE August 2026

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