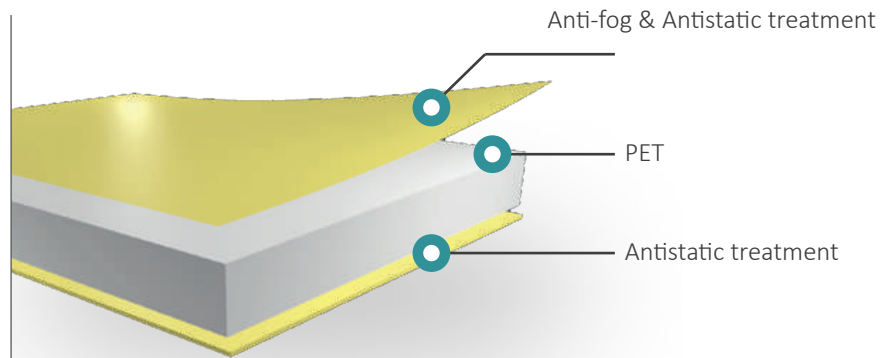


Lumirror.45.11

Application

- Flexible printed circuits
- Optical applications
 - Montage
- Visors & Protection Masks



CLEAR SYMMETRICAL MICROROUGH
ANTISTATIC COATED PET FILM

Benefits

- Antistatic properties with anti-dust effect on both sides
- Anti-fog properties on one side
- High dimensional stability
- Excellent flatness
- Good machinability due to micro-roughness on both sides

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

Properties	Test Method	Unit	96 µm	125 µm	145 µm	165 µm	175 µm
YIELD							
Unit Weight		g/m ²	134.4	175.0	203.0	231.0	245.0
Area Yield		m ² /kg	7.4	5.7	4.9.0	4.4	4.1
MECHANICAL							
Tensile Strength MD	ASTM D 882	daN/mm ²	20	21	20	20	21
Elongation at Break MD			%	135	140	140	140
THERMAL							
Shrinkage 150°C 30mn MD	Internal Method	%	1.4	1.5	1.6	1.56	1.6
Shrinkage 150°C 30mn TD			0.3	0.5	0.6	0.6	0.7
OPTICAL							
Total Light Transmission	ASTM D1003	%	89	89	89	89	89
Gardner Haze			1.7	1.7	1.8	1.9	2.1
SURFACE							
Roughness Ra	Internal Method	nm	14	12	13	14	13
Roughness Rz			190	160	190	200	190
Half time decay			s	2.0	2.0	2.0	2.0

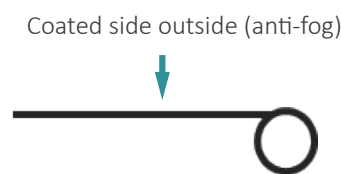
Regulation

Lumirror® 45.11 does **not** comply with European legal requirements of food contact applications due to its specific treatment. 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 = 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 April 2021

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