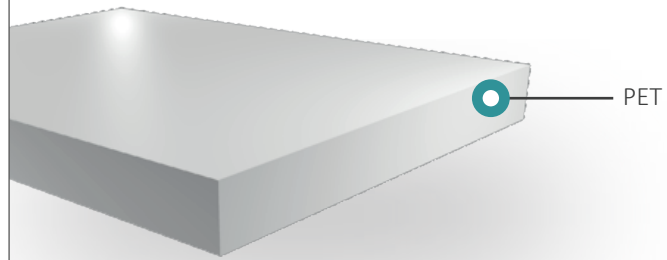


Lumirror® 44.41

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

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/m ² | 32.2 | 50.4 | 70.0 | 99.4 | 134.4 | 175.0 | 245.0 |
| Area Yield | | m ² /kg | 31.1 | 19.8 | 14.3 | 10.1 | 7.4 | 5.7 | 4.1 |
| MECHANICAL | | | | | | | | | |
| Tensile Strength MD | ASTM D882 | daN/mm ² | 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 | 1.6 | 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 |
| OPTICAL | | | | | | | | | |
| 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 |
| SURFACE | | | | | | | | | |
| 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 March 2023

DISCLAIMER: This leaflet is provided for informational purpose only and is not binding, nor can it constitute specifications to the buyer. The information contained in this document is based on numerous tests and trials we have carried out in our laboratories. Deviations from the results thus obtained can therefore be experienced depending on the actual conditions of use. This document does not provide any guarantee with regard to compliance of our product with the typical values indicated, nor does it provide any guarantee as the suitability of our products for any particular use.