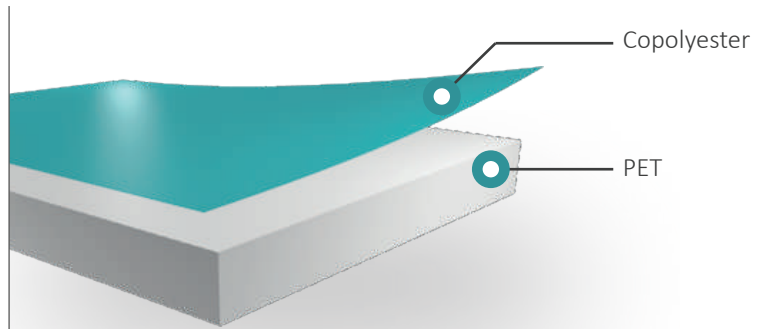


Lumirror 10.40 Lumirror 10.47

Application

- High quality printed packaging applications
- Coil lamination
- Overlamine



ASYMMETRICAL PET FILM WITH ONE COEXTRUDED SIDE

Benefits

- Resistance to thermal treatment
- Improved adhesion of inks, adhesives, cold seal and polyethylene on treated side
- High thermal stability
- Good machinability due to surface roughness

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

| Properties | Test Method | Unit | 10 µm | 12 µm | 15 µm | 18 µm | 23 µm | 36 µm |
|---------------------------|-----------------|--------------------------------------|-------|-------|-------|-------|-------|-------|
| YIELD | | | | | | | | |
| Unit Weight | | g/m ² | 14.0 | 16.8 | 21.0 | 25.2 | 32.2 | 50.4 |
| Area Yield | | m ² /kg | 71.4 | 59.5 | 47.6 | 39.7 | 31 | 19.8 |
| MECHANICAL | | | | | | | | |
| Tensile Strength MD | ASTM D 882 | daN/mm ² | 20 | 20 | 20 | 21 | 21 | 21 |
| Tensile Strength TD | | | 22 | 22 | 21 | 23 | 25 | 25 |
| Elongation at Break MD | ASTM D 882 | % | 110 | 110 | 107 | 120 | 120 | 130 |
| Elongation at Break TD | | | 90 | 90 | 85 | 85 | 90 | 110 |
| THERMAL | | | | | | | | |
| Shrinkage 150°C 30mn MD | Internal Method | % | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.5 |
| Shrinkage 150°C 30mn TD | | | 0.5 | 0.5 | 0.1 | 0.5 | 0.1 | 0.3 |
| OPTICAL | | | | | | | | |
| Gardner Haze | ASTM D1003 | % | 3.5 | 3.5 | 3.5 | 4.5 | 5 | 7 |
| SURFACE | | | | | | | | |
| COF (plain/plain) static | ASTDM | | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| COF (plain/plain) dynamic | D1894 | | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| BARRIER | | | | | | | | |
| OTR, 23°C - dry | ASTM F1927 | cm ³ /m ² .24h | // | 120 | 96 | 85 | 63 | 40 |
| MVTR, 23°C - 90% HR | ASTM F1249 | g/m ² .24h | // | 40 | 32 | 28 | 21 | 13 |

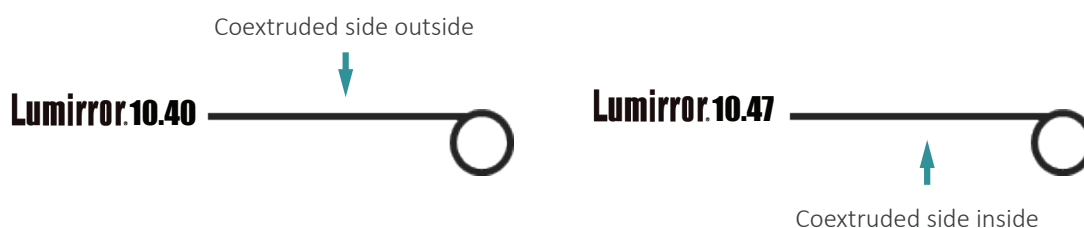
Regulation

Lumirror® 10.40 and 10.47 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. The coextruded side is identified on the roll label.



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 August 2020

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.