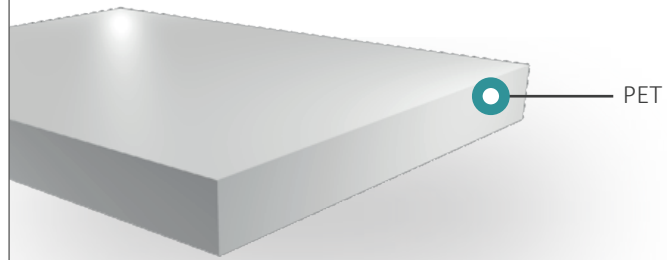


Lumirror.40.60

Application

- High end graphic art applications
 - Metallised banners
 - In Mold decoration



CLEAR SYMMETRICAL
MICROROUGH PET FILM

Benefits

- Base film for metallisation
- High clarity to visual light and UV
- Good machinability due to micro roughness on both sides
- High dimensional stability
- Good flatness

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 | 1.4 | 1.4 | 1.4 | 1.5 | 1.4 |
| Shrinkage 150°C 30mn TD | | | 0.8 | 0.7 | 1.2 | 1.2 | 0.4 | 0.4 | 0.7 |
| OPTICAL | | | | | | | | | |
| Total Light Transmission | ASTM D1003 | % | 90 | 90 | 89 | 89 | 89 | 89 | 89 |
| Gardner Haze | | | 1.5 | 1.5 | 1.2 | 1.6 | 1.5 | 1.5 | 1.9 |
| SURFACE | | | | | | | | | |
| Roughness Ra | Internal Method | nm | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| Roughness Rz | | | 180 | 180 | 180 | 180 | 180 | 200 | 200 |

Regulation

Lumirror® 40.60 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® 40.60 is in accordance for 96 and 125µm with UL 947 VTM2 and 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, delivered...

Lumirror® is a registered trademark of Toray Films Europe SAS - TFE September 2020

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