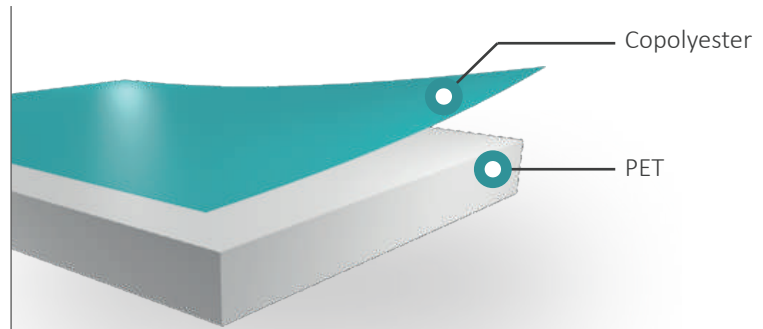


# Lumirror® 60.21

## Application

- High quality printed packaging applications



ASYMMETRICAL PET FILM  
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                                 | 12 µm | 18 µm | 23 µm | 36 µm |
|---------------------------|-----------------|--------------------------------------|-------|-------|-------|-------|
| <b>YIELD</b>              |                 |                                      |       |       |       |       |
| Unit Weight               |                 | g/m <sup>2</sup>                     | 16.8  | 25.2  | 32.2  | 50.4  |
| Area Yield                |                 | m <sup>2</sup> /kg                   | 59.5  | 39.7  | 31.0  | 19.8  |
| <b>MECHANICAL</b>         |                 |                                      |       |       |       |       |
| Tensile Strength MD       | ASTM D 882      | daN/mm <sup>2</sup>                  | 20    | 21    | 21    | 21    |
| Tensile Strength TD       |                 |                                      | 22    | 23    | 25    | 25    |
| Elongation at Break MD    | ASTM D 882      | %                                    | 110   | 120   | 120   | 130   |
| Elongation at Break TD    |                 |                                      | 90    | 85    | 90    | 110   |
| <b>THERMAL</b>            |                 |                                      |       |       |       |       |
| Shrinkage 150°C 30mn MD   | Internal Method | %                                    | 1.7   | 1.7   | 1.7   | 1.5   |
| Shrinkage 150°C 30mn TD   |                 |                                      | 0.5   | 0.5   | 0.1   | 0.3   |
| <b>OPTICAL</b>            |                 |                                      |       |       |       |       |
| Gardner Haze              | ASTM D1003      | %                                    | 3.5   | 4.5   | 5     | 7     |
| <b>SURFACE</b>            |                 |                                      |       |       |       |       |
| COF (plain/plain) static  | ASTM D1894      |                                      | 0.5   | 0.5   | 0.5   | 0.5   |
| COF (plain/plain) dynamic |                 | 0.4                                  | 0.4   | 0.4   | 0.4   |       |
| <b>BARRIER</b>            |                 |                                      |       |       |       |       |
| OTR, 23°C - dry           | ASTM F1927      | cm <sup>3</sup> /m <sup>2</sup> .24h | 120   | 85    | 63    | 40    |
| MVTR, 23°C - 90% HR       | ASTM F1249      | g/m <sup>2</sup> .24h                | 40    | 28    | 21    | 13    |

## Regulation

Lumirror® 60.21 complies 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 heat sealable side is identified on the roll label.



Coextruded side inside

## Please contact us for...

- Any other presentation (width, length, core)
- Process for returnable packaging
- Any other information about typical values, measuring conditions, tolerances, delivered...

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