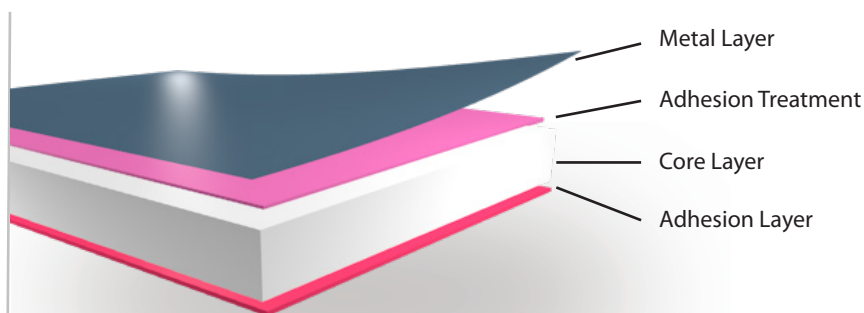


Lumirror.MK61

Applications

- Confections
- Snacks
- Coffee
- Pet food



ONE SIDE METALLIZED,
ONE SIDE PRINT
ADHESION PET FILM

Summary

MK61 is a coextruded Polyester film metallized for high barrier properties. The non-metallized side is modified for superior printing and laminating adhesion. Especially suited for demanding barrier applications and high metal bond in wet or dry applications.

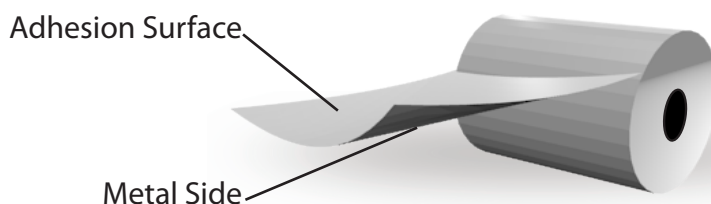
Technical Data *

| PROPERTIES | | METHOD | UNITS | | |
|--|-------------------|--------------|----------------------------|---------|---------|
| Thickness | | - | 0.00001" | 36 | 48 |
| Nominal Yield | | - | in ² /lb | 54,900 | 41,200 |
| F-5 | MD | ASTM D882 | lb/in ² | 15,600 | 15,600 |
| | TD | | | 14,400 | 14,500 |
| Tensile Strength at Break | MD | ASTM D882 | lb/in ² | 40,300 | 40,700 |
| | TD | | | 36,100 | 36,700 |
| Young's Modulus | MD | ASTM D882 | lb/in ² | 738,200 | 733,900 |
| | TD | | | 739,600 | 749,600 |
| Elongation at Break | MD | ASTM D882 | % | 100 | 110 |
| | TD | | | 110 | 120 |
| Heat Shrinkage (150°C for 30 minutes) | MD | ASTM D1204 | % | 2.4 | 2.2 |
| | TD | | | 1.1 | 1.0 |
| Coefficient of Friction | A-side vs. B-side | ASTM D1894 | μ _s | 0.5 | 0.4 |
| | | | μ _D | 0.5 | 0.4 |
| Optical Density | | ASTM 1003 | | 2.8 | 2.8 |
| MVTR - 100 °F, 90% RH | | ASTM F1249 | g/100in ² /day | 0.03 | 0.03 |
| O ₂ Barrier - 73 °F, 0% RH | | ASTM D3985 | cc/100in ² /day | 0.03 | 0.03 |
| Metal Bond Strength | Dyr | TP - 1005-92 | g/in | 800 | 800 |
| | Wet | | | 20 | 20 |

Key Features

- High metal bond in wet and dry applications
- Exceptional barrier to water vapor, oxygen and other gases
- Good aroma barrier
- High protection against natural and UV light
- Excellent dimensional stability at higher temperatures
- Superior surface for printing or laminating
- Complies with US FDA 21 CFR 177.1630 requirements for food packaging applications

Winding Direction



* These values do not constitute specific binding specifications

DISCLAIMER: This information is believed to be correct as of the date of issue. Toray Plastics (America), Inc. MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE AND TAKES NO RESPONSIBILITY REGARDING THE SUITABILITY OF THIS INFORMATION FOR THE USER'S INTENDED PURPOSES OR FOR THE CONSEQUENCE OF ITS USE. User is responsible for determining whether the Toray Plastics (America), Inc. product is fit for a particular purpose and suitable for user's method or use of application. Given the variety of factors that can affect the use and application of Toray Plastics (America), Inc. products, which are uniquely within the user's knowledge and control, it is essential that the user make its own tests to determine the safety and suitability of each Toray Plastics (America), Inc. product or product combination for its own purpose.

Lumirror® is a registered trademark of Toray Industries, Inc. for its range of Polyester Films based on Polyethylene Terephthalate (PET).