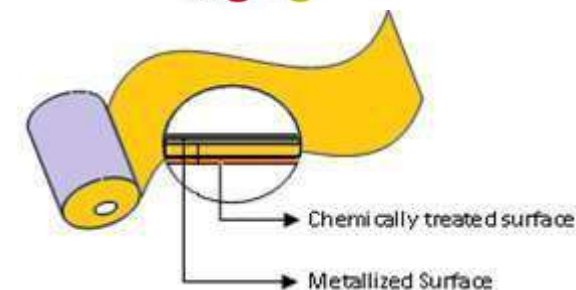


PET Polyester Film

TECHNICAL DATA SHEET

EUROPEAGROUPFILM

CRISTHER FILM | eurofilm21



UmaPET - AOCLM (AOCLM-Metal Wound Inside And Other Side Outside Chemically Treated Surface)

This product is golden yellow metallized film, metallized inside and other side chemical treated. This film has excellent optical properties – Color Shade and Gloss. The film shows good thermal, mechanical and surface properties along with excellent dimensional stability and process ability. This grade film is complies with US FDA, EC and REACH regulations for food contact application.

Key features: Suitable for printing and lamination. Specially designed for survival blanket, paper, board lamination and other industrial applications.

Product properties:

| Property | | Test Method | Unit | Typical Value | |
|------------|-----------------------------------------------|---------------|-----------------------------|--------------------------|-------|
| Physical | Thickness | Internal | μ | 12 | |
| | | | gauge | 48 | |
| | Yield | Internal | m ² /kg | 59.5 | |
| | | | ft ² /lb | 291 | |
| Mechanical | Tensile Strength | ASTM D-882 | Kg/cm ² | MD | 2000 |
| | | | | TD | 2100 |
| | | ASTM D-882 | lb/in ² | MD | 28500 |
| | | | | TD | 30000 |
| | Elongation | ASTM D-882 | % | MD | 100 |
| | | | | TD | 90 |
| Surface | Co-efficient of friction (Std. Vs Functional) | ASTM D-1894 | - | St | 0.70 |
| | | | | Dy | 0.60 |
| | Wetting tension | ASTM D-2578 | Dyne/cm | Metallized surface | 56 |
| | | | | Chemical treated surface | 44 |
| Optical | Optical Density | Internal | % | 2.2 | |
| Thermal | Shrinkage @ 150 C and 30 minutes | ASTM D-1204 | % | MD | 2.0 |
| | | | | TD | 0.0 |
| Barrier | MVTR (37.8°C @ 90% RH) | ASTM F-1249 | gm/m ² /24hr | 0.8 | |
| | | | gm/100in ² /24hr | 0.04 | |
| | OTR (23°C @ 0% RH) | ASTM D - 3985 | cc/m ² /24hr | 1.00 | |
| | | | cc/100in ² /24hr | 0.06 | |

MD- Machine Direction; TD- Transverse Direction

The information contained herein is to be used only as a guideline for using UmaPET film. The specifications and characteristics mentioned are based on reliable test procedures. Users of this film should make independent assessment by their own for its suitability to their end use. Ester Industries Ltd does not offer any guarantee on the results and does not accept any liability arising out of the use of the information contained herein.