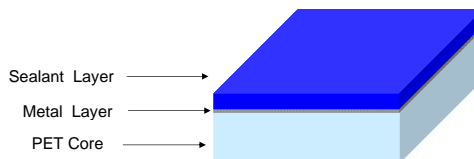


LumiLid®

XLM4 Developmental

XLM4 is a coextruded Polyester film metallized for high barrier properties. Especially suited for demanding barrier applications. FDA approved for direct food contact and conventional ovenable re-heating.



KEY FEATURES

- Peelable seals to HDPE, PP, HIPS, PETG, PVC and blended trays, cups and bottles.
- Suitable and FDA compliant for conventional oven re-heating
- Excellent hot-tack and broad seal range, seals through food residue
- Peelable hot or cold.
- Clean peelable seals, no sealant residue.
- Solvent free process, ensures the films are odor free and contamination free.
- Complies with US FDA 21 CFR 177.1210 condition of use "A" requirements for food packaging applications. (for further information see your Toray representative)

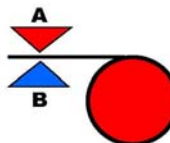
APPLICATIONS

- Lidding
- Conventional ovenable
- Monoweb

TECHNICAL DATA

| PROPERTIES | | METHOD | UNITS | TYPICAL VALUES | |
|--------------------------------------|----|------------|----------------------------|----------------|--------|
| Gauge | | | 0.0001" | 118 | 164 |
| Nominal Yield | | | in ² /lb | 20,590 | 14,200 |
| Tensile Strength at Break | MD | ASTM D882 | lb/in ² | 16,400 | 21,200 |
| | TD | | | 13,800 | 22,900 |
| Elongation at Break | MD | ASTM D882 | % | 93 | 148 |
| | TD | | | 101 | 113 |
| Heat Shrinkage (150°C for 30 min) | MD | ASTM D1204 | % | 1.9 | 1.7 |
| | TD | | | 1.0 | 0.3 |
| OD | | | | 2.2 | 2.2 |
| Seal Initiation Temp | | | °F | 265 | 265 |
| MVTR - 100 °F, 90% RH | | ASTM F1249 | g/100in ² /day | 0.08 | |
| O ₂ Barrier 73 °F | | ASTM D3985 | cc/100in ² /day | 0.1 | |

A = Plain Surface
B = Sealable Surface



CONTACT

Toray Plastics (America), Inc.
50 Belver Avenue
North Kingstown, RI 02852 USA
Tel: (800) 453-6866
Fax: (401) 294-1480
e-mail: rimarketing@toraytpa.com
Web: www.torayfilms.com

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

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