

## DuPont Teijin Films Mylar® OL13 Polyester Packaging Film, 150 Gauge

Category : Polymer , Film , Thermoplastic , Polyester, TP , Polyester Film

### Material Notes:

Data provided by DuPont Packaging Polymers. Mylar® OL13 (formerly known as XM110) is a biaxially oriented polyester (OPET) film with an amorphous polyester heat seal layer. It is used as a heat sealable lidding film in packaging refrigerated and frozen foods. Mylar® OL13 is dual ovenable film which provides very strong, aggressive seals to polar substrates such as amorphous polyester (APET, also PETG), semicrystalline polyester (CPET), polyester coated paperboard, and polyvinylchloride (PVC). Mylar® OL13 does not seal to polyethylene, polypropylene, or polystyrene. DuPont Teijin Films offers another family of lidding films (RL types) for sealing to these substrates. Mylar® OL13 is similar to OL12 but has a thicker seal layer than Mylar® OL12 to give enhanced seal strength. In general, Mylar® OL13 can produce non-peeling, near "lock-up" type seals and is recommended for hot fill applications where non-peeling seals are desired. It can also be used in some "post-pasteurized" (steam sterilization) applications where the pressure balance in the package can be properly controlled (via vacuum or overpressure). Mylar® OL13 lidding films have excellent grease and oil resistance.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_DuPont-Teijin-Films-Mylar-OL13-Polyester-Packaging-Film-150-Gauge.php](http://www.lookpolymers.com/polymer_DuPont-Teijin-Films-Mylar-OL13-Polyester-Packaging-Film-150-Gauge.php)

| Physical Properties         | Metric                               | English                                   | Comments                                    |
|-----------------------------|--------------------------------------|---|---|
| Density                     | 1.40 g/cc                            | 0.0506 lb/in <sup>3</sup>                 | Calculated from nominal thickness and yield |
| Moisture Vapor Transmission | 0.610 cc-mm/m <sup>2</sup> -24hr-atm | 1.55 cc-mil/100 in <sup>2</sup> -24hr-atm | Proc. E; ASTM E96                           |
| Oxygen Transmission         | 2.04 cc-mm/m <sup>2</sup> -24hr-atm  | 5.18 cc-mil/100 in <sup>2</sup> -24hr-atm | Tested per ASTM D3985 at 22°C               |

| Mechanical Properties              | Metric   | English   | Comments                     |
|------------------------------------|----------|-----------|------------------------------|
| Film Elongation at Break, MD       | 110 %    | 110 %     | ASTM D882                    |
| Film Elongation at Break, TD       | 80 %     | 80 %      | ASTM D882                    |
| Secant Modulus                     | 3.79 GPa | 550 ksi   | Stiffness Modulus; ASTM D882 |
| Tear Strength Test                 | 1.3      | 1.3       | lb Graves; ASTM D1004        |
| Film Tensile Strength at Break, MD | 172 MPa  | 24900 psi | ASTM D882                    |
| Film Tensile Strength at Break, TD | 241 MPa  | 35000 psi | ASTM D882                    |

| Thermal Properties               | Metric   | English  | Comments |
|----------------------------------|----------|----------|----------|
| Maximum Service Temperature, Air | 204 °C   | 399 °F   |          |
| Minimum Service Temperature, Air | -40.0 °C | -40.0 °F |          |

## **Contact Songhan Plastic Technology Co.,Ltd.**

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