

PRODUCT DESCRIPTION

Mylar® OL12 is a biaxially oriented polyester (PET) film with an amorphous polyester heat seal layer on one side. It is designed to give a very strong seal at room temperature which typically becomes peelable when heated. Mylar® OL12 seals to a wide range of materials including itself, APET, CPET, PETG, polyester coated board, polycarbonate and PVC. Mylar® OL12 is dual-ovenable (both microwave and conventional oven).

TYPICAL APPLICATIONS

Mylar® OL12 can be used on its own as a single web or as part of a laminate in a wide range of lidding applications, providing reliable strong sealing performance.

GENERAL INFORMATION

Added Benefits from Related Films

Printability – Mylar® OL12T gives improved adhesion to a range of widely used inks through corona treatment on the non heat-seal side.

Antifog – Mylar® OL12AF has antifog properties.

Mylar® OL12AFT offers both of these benefits.

FOOD CONTACT ADVICE

The Product has been assessed with respect to Food Contact Legislation.

| PROPERTIES | UNIT | TYPICAL VALUES | | | TEST METHOD |
|--------------------------------|--|----------------|---------------|---------------|------------------------|
| General | | 14OL12 | 25OL12 | 40OL12 | |
| Actual Thickness | Micron | 17 | 28 | 41 | .. |
| Area Yield | m ² /KG | 43.7 | 26.1 | 17.9 | .. |
| Unit Weight | g/m ² | 22.9 | 38.4 | 56 | .. |
| Oxygen Permeability | cm ³ /m ² /day/atm | 140 | 75 | 45 | Oxtran 23°C, 60/70% RH |
| Water Vapour Transmission Rate | g/m ² /day | 43 | 20 | 14 | Lyssy 38°C, 90% RH |
| Mechanical | | | | | |
| Tensile strength at break | MPa | MD 180 TD 220 | MD 180 TD 220 | MD 180 TD 220 | ASTM D882 |
| Elongation at break | % | MD 120 TD 80 | MD 120 TD 80 | MD 120 TD 80 | ASTM D882 |
| Thermal | | | | | |
| Shrinkage | % | MD 4 TD1 | MD 4 TD1 | MD 4 TD1 | 190°C for 5 mins |
| Upper melt temperature | °C | 255-260 | 255-260 | 255-260 | ASTM E794-85 |
| Seal to APET/CPET Co-ex tray | g/25mm | 1300 | 1300 | 1300 | 180°C/80psi/1sec |

Values in the above table are intended as a general guide for a wide range of applications.

STANDARD PUT-UPS

Mylar® OL12 can be supplied as 1422mm master rolls on 152mm ID protruding cores, or as slit reels, up to 1375mm wide on 152mm ID flush or protruding cores. Master rolls are popular for Distributor customers. Chartable width is 1385mm.

DISPOSAL ADVICE

Disposal of Mylar® OL12 does not present special disposal problems. In most circumstances, once Mylar® OL12 has been laminated, coated, printed or metallised, incineration with Energy Recovery is the most environmentally efficient recovery route. Mylar® OL12 can also be burned in an incinerator with normal refuse or can be buried as a relatively inert material in a landfill. The disposal method should comply with appropriate local and country regulations.