

### Product Description:

Mylar® OL12 is a biaxially oriented polyester film with a heat-sealable coating on one surface and plain polyester on the other.

Mylar® OL12 can be used for ready meals, where security of seal at room temperature is required.

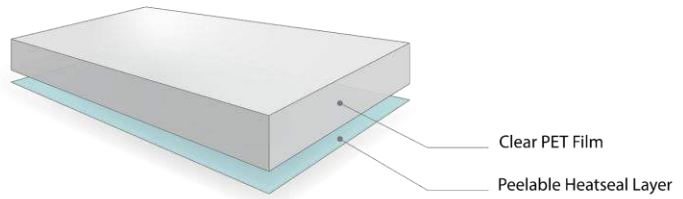
The product can be heat-sealed to itself, APET/CPET trays, polyester coated board and PVC.

It seals in the range 140°C to 200°C, providing a strong seal at room temperature which becomes peelable when heated.

Dual-ovenable ready meals sealed with Mylar® OL12 can be cooked at typically 220°C for 30mins, yet withstand temperatures as low as -70°C.

### Key Features:

- Forms a strong seal when cold, but provides easy-peel aftercooking
- Dual-ovenable over a wide temperature range
- Self-venting for steam release, during cooking
- Available corona treated on the plain surface for improved printability



### Storage

Recommended storage conditions: 10°C – 25°C; 20% - 50% RH  
Shelf Life: 12 months from delivery date (under recommended storage conditions)

| TYPICAL VALUES                                         |                        | MD = Machine Direction, TD = Transverse Direction |           |                       |             |
|--------------------------------------------------------|------------------------|---------------------------------------------------|-----------|-----------------------|-------------|
| Property                                               | Test method            | Unit                                              | Direction | Typical values        |             |
| Film name                                              | -                      | -                                                 |           | 25OL12/OL12           | 40OL12/OL12 |
| Film thickness                                         | -                      | micron                                            |           | 28                    | 41          |
| Film yield                                             | -                      | m <sup>2</sup> /Kg                                |           | 26                    | 18          |
| Unit weight                                            | -                      | g/m <sup>2</sup>                                  |           | 38                    | 56          |
| Density                                                | ASTM D1505             | g/cc                                              |           | 1.39                  |             |
| Oxygen permeability                                    | Oxtran 23°C, 60/70% RH | cm <sup>3</sup> /m <sup>2</sup> /day/atm          |           | 75                    | 45          |
| Water vapour transmission rate                         | Lyssy 38°C, 90% RH     | g/m <sup>2</sup> /day/atm                         |           | 20                    | 14          |
| Tensile strength at break (minimum)                    | ASTM D882-83           | Kgf/mm <sup>2</sup>                               | MD        | 18.5                  |             |
|                                                        |                        |                                                   | TD        | 23                    |             |
| Elongation at break                                    | ASTM D882-83           | %                                                 | MD        | 120                   |             |
|                                                        |                        |                                                   | TD        | 80                    |             |
| Upper melt temperature                                 | ASTM E794-85           | °C                                                |           | 255 - 260             |             |
| Sealing temperature range                              | -                      | °C                                                |           | 140 - 200             |             |
| Heat-seal strength seal to seal                        | 140°C / 40psi / 1 sec  | g/25mm                                            |           | 1500                  |             |
| Heat-seal strength to APET/CPET tray                   | 180°C / 80psi / 1 sec  | g/25mm                                            |           | 1300                  |             |
| Coefficient of thermal expansion (between 20 and 50°C) | -                      | cm/cm/°C                                          | MD        | 19 x 10 <sup>-6</sup> |             |
|                                                        |                        |                                                   | TD        | 16 x 10 <sup>-6</sup> |             |
| Shrinkage                                              | 5 mins @ 190°C         | %                                                 | MD        | 4                     |             |
|                                                        |                        |                                                   | TD        | 1                     |             |

Mylar® OL12, OL12AF, OL12T & OL12AFT comply with European regulation EU10/2011 and its amendment 1282/2011 relating to materials and articles intended to come into contact with food



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