A guide to Mylar® polyester films
Heat Sealable Range
# Mylar® polyester film OL Film Family

## The Mylar® OL Film Family

- Seals to APET, CPET, PVC, Paper, Aluminium foil and itself
- Peelable seals
- Dual ovenable (conventional oven and microwave)
- Good aroma barrier
- Typical seal conditions: 180°C/80psi/1 second
- Full seal strength is reached one hour after sealing
- Available with Anti-Fog (AF) pre-treatment (OLAF, OL12AF, OL13AF)
- Available with Corona treatment (OLT, OLAFT, OL2T, OL12T, OL13T).

### Mylar® OL
- Smooth peel
- Self-vents during cooking for steam release
- Peels both hot and cold
- Available with Anti-Fog (AF)
- Available with Corona treatment (T).

### Mylar® OL2
- Firm peel
- Self-vents during cooking for steam release
- Peels when hot, but can tear when cold
- Available with Corona treatment (T).

### Mylar® OL12
- Strong, resistant-peel seals
- Seals well through contamination
- Weld seal when cold and then peels when hot
- Suitable for use in ‘balanced pressure’ autoclave for pasteurisation
- Available with Anti-Fog (AF)
- Available with Corona treatment (T).

### Mylar® OL13
- Thick coating layer for sealing to rough surfaces
- Performs well on ridged trays by ‘gap-filling’
- NOT typically used for APET/CPET trays
- Available with Anti-Fog (AF)
- Available with Corona treatment (T).

## Typical applications
- Tray lidding for ready meals, salads, fresh produce, etc.
- Flow wrap for ovenable bakery products
## Mylar® polyester film 850 Film Family

### The Mylar® 850 Film Family
- Seals to APET, CPET, PVC, Paper, Aluminium foil and itself
- Non-peeling seals
- Dual ovenable (conventional ovens and microwave)
- Typical seal conditions: 180°C/80psi/1 second
- Excellent Hot Tack
- Suitable for use in ‘balanced pressure’ autoclave for pasteurisation
- Seals well through contamination
- Superb odour and aroma barrier properties.

### Mylar® 850
- Non-peeling weld seals before and after cooking
- High seal strength
- Excellent clarity
- Superb performance through contamination.

### Mylar® 850AF
- Permanent seal
- Suitable for contaminated seal environments
- Anti-Fog (AF) pre-treatment.

### Mylar® 852
- As 850, but slip-treated on the sealable surface
- Recommended for metallised sealable applications
- Can increase line speeds because of improved handleability.

### Mylar® D853
- Permanent seal
- Improved Handleability
- Chemically pre-treated for ink adhesion.

### Typical applications
- Tray lidding for ready meals
- Flow wrap for ovenable and highly aromatic products (eg, air fresheners)
- Backing for blister packaging.
The Mylar® RL Film Family

- Seals to PS, PP, PE, PVC, APET, CPET, Aluminium foil
- Peelable seals
- Microwaveable
- Better resistance to attack by greases or acid than similar competitive products
- Good aroma barrier
- Full seal strength is reached one hour after sealing
- Typical seal conditions: 140°C/40psi/1 second (180°C/80psi/1 second for PP trays)
- Available with Anti-Fog (AF) pre-treatment (RL42 AF)
- Available with Corona treatment (RL32T).

Mylar® RL32

- Strong peel
- Peelable seal when hot and cold
- **Popular choice for majority of applications**
- Available with Corona treatment (T).

Mylar® RL33

- Thick coating layer for sealing to rough surfaces
- Can be used to give higher seal strengths to PP when necessary.

Mylar® RL42AF

- Strong peelable seal
- Suitable for lidding wide range of containers; sandwich, ready meals
- Anti-Fog (AF) pre-treatment.

Typical applications

- Lidding for sandwich trays or yellow-fat tubs, as a single web or as the base web of a laminate
- Lidding for salads/vegetables in PS/PP trays
- Lidding for trifles/desserts in PS trays.
Heat Sealable Polyester Films Toolbox

<table>
<thead>
<tr>
<th>Mylar® polyester films</th>
<th>FILM COATING</th>
<th>ORDER CODE PREFIX</th>
<th>ORDER CODE PREFIX (For OL &amp; RL grades)</th>
<th>COMPATIBLE SUBSTRATES</th>
<th>PEEL FORCE</th>
<th>OVENABILITY</th>
<th>TREATMENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>CLEAR / WHITE</td>
<td>APET SEALANT LAYER</td>
<td>EVA SEALANT LAYER</td>
<td>14 25 40</td>
<td>APET, APET, PETG, ALUMINIUM FOIL, GLASS</td>
<td>EASY</td>
<td>STRONG</td>
<td>CORONA</td>
</tr>
<tr>
<td>OL</td>
<td>C</td>
<td>✓</td>
<td>14 24 38</td>
<td>✓ ✓ ✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OL AF</td>
<td>✓</td>
<td>14 26 39</td>
<td>✓ ✓</td>
<td>✓ ✓ ✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OLAFT</td>
<td>✓</td>
<td>15 26 39</td>
<td>✓ ✓</td>
<td>✓ ✓ ✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OL2</td>
<td>✓</td>
<td>15 25</td>
<td>✓ ✓</td>
<td>✓ ✓ ✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OL2T</td>
<td>✓</td>
<td>15 25</td>
<td>✓ ✓</td>
<td>✓ ✓ ✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OL3 T</td>
<td>✓</td>
<td>28</td>
<td>✓ ✓</td>
<td>✓ ✓ ✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OL12</td>
<td>✓</td>
<td>28 41</td>
<td>✓ ✓</td>
<td>✓ ✓ ✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OL12 AF</td>
<td>✓</td>
<td>28 41</td>
<td>✓ ✓</td>
<td>✓ ✓ ✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OL12 T</td>
<td>✓</td>
<td>17</td>
<td>✓ ✓</td>
<td>✓ ✓ ✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OL13</td>
<td>✓</td>
<td>31</td>
<td>✓ ✓</td>
<td>✓ ✓ ✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OL13 AF</td>
<td>✓</td>
<td>31</td>
<td>✓ ✓</td>
<td>✓ ✓ ✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OL13 T</td>
<td>✓</td>
<td>31</td>
<td>✓ ✓</td>
<td>✓ ✓ ✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>850</td>
<td>✓</td>
<td>15 20 30</td>
<td>✓ ✓</td>
<td>✓ ✓ ✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>850 AF</td>
<td>✓</td>
<td>30</td>
<td>✓ ✓</td>
<td>✓ ✓ ✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>852</td>
<td>✓</td>
<td>15 20 30</td>
<td>✓ ✓</td>
<td>✓ ✓ ✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>D853</td>
<td>✓</td>
<td>30</td>
<td>✓ ✓</td>
<td>✓ ✓ ✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RL32</td>
<td>✓</td>
<td>19 30 43</td>
<td>✓ ✓</td>
<td>✓ ✓ ✓ ✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RL32 T</td>
<td>✓</td>
<td>19</td>
<td>✓ ✓</td>
<td>✓ ✓ ✓ ✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RL33</td>
<td>✓</td>
<td>23 34</td>
<td>✓ ✓</td>
<td>✓ ✓ ✓ ✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>RL42 AF</td>
<td>✓</td>
<td>19 30</td>
<td>✓ ✓</td>
<td>✓ ✓ ✓ ✓</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: All above thicknesses are rounded to nearest 0.5mm. The majority of the OL and RL films are available with corona treatment for improved printing and laminating (order code T), and the majority of the OL films are also available with anti-fog treatment (order code AF) to minimise ‘fog’ during freezing, chilling and cooking. Please check with your DTF representative for exact details.
This information corresponds to our current knowledge on the subject. It is offered solely to provide possible suggestions for your own experimentations. It is not intended, however, to substitute for any testing you may need to conduct to determine for yourself the suitability of our products for your particular purposes. This information may be subject to revision as new knowledge and experience becomes available. Since we cannot anticipate all variations in actual end-use conditions, DuPont Teijin Films makes no warranties and assumes no liability in connection with any use of this information. Nothing in this publication is to be considered as a license to operate under or a recommendation to infringe any patent right.

Caution: Do not use in medical applications involving permanent implantation in the human body. For other medical applications, see ‘DuPont Teijin Films Medical Caution Statement’, H-50102-1-DTF.

Melinex®, Mylar®, and Cronar® are registered trademarks of DuPont Teijin Films U.S. Limited Partnership. Teijin® and Tetoron® are registered trademarks of Teijin Limited and are licensed to DuPont Teijin Films US, Limited Partnership. Teonex® is registered trademark of Teijin DuPont Films Japan Limited and licensed to DuPont Teijin Films U.S. Limited Partnership.

The goods represented are only examples of possible applications. DuPont Teijin Films does not imply that any DuPont Teijin Films products have been used in the manufacture of such goods. All third party trademarks and brand names are recognised.

(c) 2005 DuPont Teijin Films. All rights reserved.