

PRODUCT DESCRIPTION

Mylar® 850AF is a co-extruded, biaxially oriented polyester (PET) film with an amorphous polyester heat seal layer on one side. It is designed to give a permanent seal to a wide range of materials. Mylar® 850AF can be heat sealed to itself and seals well to APET/CPET trays and APET coated board. It also seals to PVdC, PVC, paper and aluminium.

TYPICAL APPLICATIONS

Mylar® 850AF is an excellent film for lidding to APET/CPET trays. It was designed as a permanent seal anti-fog film particularly suitable for contaminated seal environments. The product was designed for chilled applications but does have “hot” anti-fog functionality.

GENERAL INFORMATION

As per Article 3(3) of the REACH regulation (EC) No 1907/2006 Mylar® 850AF film is classified as an article. There are no substances intended to be released from the above film under normal, reasonably foreseeable conditions of use, as defined by Article 7(1).

FOOD CONTACT ADVICE

Mylar® 850AF has been assessed with respect to Food Contact Legislation.

| PROPERTIES | UNIT | TYPICAL VALUES | | | TEST METHOD |
|--|--|----------------|---------------|---------------|--------------------------------|
| General | | 15 | 20 | 30 | |
| Target Thickness | Micron | 15 | 20 | 30 | DTF Method |
| Area Yield | M ² /KG | 48.3 | 36.2 | 24 | DTF Method |
| Unit Weight | G/M ² | 20.7 | 27.6 | 41 | DTF Method |
| Oxygen Permeability | cm ³ /m ² /day/atm | 112 | 84 | 56 | Oxtran 23°C,60/70% RH |
| Water Vapour Transmission Rate | g/m ² /day | 26 | 19 | 13 | Lyssy 38°C,90% RH |
| Mechanical | | | | | |
| Shrinkage | % | MD 3 TD 3 | MD 3 TD 3 | MD 3 TD 3 | ASTM D1204-78 190°C for 5 mins |
| Upper Melt Temperature (non heat sealable layer) | °C | 255-260 | 255-260 | 255-260 | ASTM E794-85 |
| Heat Seal Strength: | | | | | |
| Seal to Seal | g/25mm | >600 | >600 | >600 | 140°C,40psi,1sec |
| Heat Seal to APET/CPET tray | g/25mm | >1000 | >1000 | >1000 | 180°C,80psi,1sec |
| Sealing Temperature Range | °C | 140-220 | 140-220 | 140-220 | |
| Optical | | | | | |
| Haze | % | 3.1 | 3.3 | 4.0 | ASTM D1003-52 |
| Total Luminous Transmission | % | 88 | 88 | 88 | ASTM D1003-52 |
| Thermal | | | | | |
| Tensile Strength at Break | kgf/mm ² | MD 16.5 TD 23 | MD 16.5 TD 23 | MD 16.5 TD 23 | Based on ASTM D882-83 |
| Elongation at Break | % | MD 120 TD 80 | MD 120 TD 80 | MD 120 TD 80 | Based on ASTM D882-83 |

STANDARD PUT-UPS

Mylar® 850AF/30°m is supplied at 1590mm master rolls on 152mm ID flush cores. Chartable width is 1585mm.

DISPOSAL ADVICE

Disposal of Mylar® does not present special disposal problems. Where waste occurs in a clean, uncontaminated form it can be recycled. In most circumstances, once Mylar® has been laminated, coated, printed or metallised, incineration with Energy Recovery is the most environmentally efficient recovery route. Mylar® 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.