

## PRODUCT DESCRIPTION

Mylar® D870 is a biaxially oriented polyester (PET) film with an amorphous polyester heat seal layer on one side. It is designed to give a peelable seal to a wide range of materials including itself, APET, CPET, PETG, polyester coated board, polycarbonate and PVC. Mylar® D870 is designed to be self-venting and dual-ovenable (both microwave and conventional oven).

## TYPICAL APPLICATIONS

Mylar® D870 is often used for ready meal type applications and has a lower seal strength compared to Mylar® OL.

## GENERAL INFORMATION

As per Article 3(3) of the REACH regulation (EC) No 1907/2006 Mylar® D870 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® D870 has been assessed with respect to Food Contact Legislation.

PROPERTIES	UNIT	TYPICAL VALUES			TEST METHOD
<b>General</b>		<b>19</b>	<b>23</b>	<b>36</b>	
Target Thickness	Micron	20	24	37	Oxtran 23°C, 60/70% RH Lyssy 38°C, 9% RH
Area Yield	M <sup>2</sup> /KG	36.3	29.8	19.5	
Unit Weight	G/M <sup>2</sup>	27.5	33.5	51.3	
Oxygen Permeability	cm <sup>3</sup> /m <sup>2</sup> /day/atm	95	75	45	
Water Vapour Transmission Rate	g/m <sup>2</sup> /day	25	20	14	
<b>Mechanical</b>					
Tensile strength at break	MPa	MD 180 TD 220	MD 180 TD 220	MD 180 TD 220	ASTM D882-83
Elongation at break	%	MD 120 TD 80	MD 120 TD 80	MD 120 TD 80	ASTM D882-83
<b>Thermal</b>					
Shrinkage	%	MD 4 TD 1	MD 4 TD 1	MD 4 TD 1	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	500	500	500	160°C/60psi/1s

## 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.