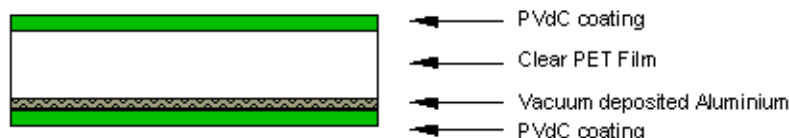


Product Information Sheet

Mylar® MC2

Product Description

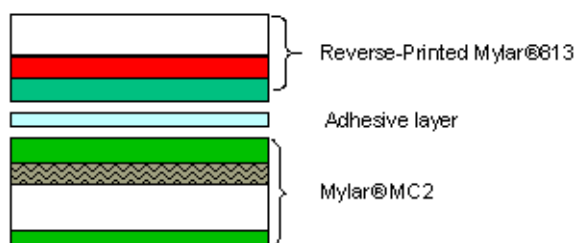
Mylar® MC2 is a polyester film with a vacuum deposited layer of aluminium on one side and a heat sealable PVdC copolymer on both sides. The film has excellent oxygen, moisture, and light barrier properties. It is available in 14 and 25 micron.



Typical Applications

Mylar® MC2 is used as a single web or a laminate in flow wrap packaging of sensitive products which require good moisture, oxygen and light barrier (Fig. 1). Its flex crack resistance, which ensures retention of its excellent barrier properties, even after severe flexing, outperforms foils and foil structures.

Fig. 1



General Information

Mylar® MC2 can withstand a broad range of temperatures and has good resistance to moisture and most chemicals. As per Article 3(3) of the REACH regulation (EC) No 1907/2006 Mylar® MC2 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). Mylar® MC2 can be surface printed with appropriately formulated PVB inks. It can be combined with other webs by adhesive or extrusion lamination. In laminated form, the film can be used either as the outside web or inside web of the package, although if used as the outer web can give jaw stick and hence the use of Teflon® coated seal jaws is recommended. In laminations, retained solvent levels should be minimized, and high boiling solvents like methyl isobutyl ketone (MIBK), boiling point 119°, should be avoided because high levels of retained solvents can cause PVDC coating lift and loss of laminate bond strength.

Food Contact Advice

Mylar® MC2 has not been assessed against Food Contact Legislation

Film Properties

Property	Unit	Typical Values		Test Method
General		14	25	
Thickness	micron	14	25	In-house Method
Area Yield	m ² /kg	51	29	In-house Method
Unit Weight	g/m ²	20	36	-
Oxygen Permeability	cm ³ /m ² /day/at m	0.15	0.15	Oxtran 23°C, 60/70% RH
WVTR	g/m ² /day	0.6	0.6	Lyssy 38°C, 90% RH
Mechanical		14	25	
Tensile Strength at break	MPa	MD 180	TD 228	ASTM D882
Elongation at break	%	MD 120	TD 80	ASTM D882
Optical		14	25	
Total Luminous Transmission (TLT)	%	<0.5		ASTM D1003
Thermal		14	25	
Shrinkage	%	MD 1.5	TD 1.5	30 mins @ 120°C
Heat Seal Strength PVdC - PVdC	g/25mm	200		140°C/5psi/0.25sec

Disposal Advice

Disposal of Mylar® MC2 does not present special disposal problems. Mylar® MC2 can 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.

Date of Last Revision: 21 Sep 2020

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