



Innovative *Polyester Films*
Convenience Packaging

Mylar® Ovenable Films
delivering innovative and effective packaging solutions

The original and trusted producer of ovenable and microwaveable polyester films. Films for lidding and many other applications including flow-wrap and ovenable pouches.

Benefits

- A heat seal film for any ovenable container
- Designer peeling from easy peel through to permanent seal
- Self venting seals in both microwave and conventional ovens
- Outstanding performance on the shelf, in the freezer and in the oven
- Trusted reliable product range.

Microwaving using Mylar®

Mylar® polyester films do not absorb microwaves which means all of the energy goes into heating the food.

The food heats up rapidly, building up pressure in the pack due to steam generation. Mylar® polyester films are designed to be easily self venting, keeping the build up of steam inside the pack within safe limits.

Conventional Cooking using Mylar®

The cooking, roasting and baking temperatures used in conventional ovens create an aggressive environment for any plastic material to survive. Mylar® polyester films don't just survive high temperature cooking but also cook safely, without tainting the food, bringing a multitude of benefits.

The unique crystalline structure and heat seal formulations of Mylar® polyester films mean that a packaging solution can be found for any food type, pack format, tray lidding, ovenable bag or flow-wrap application.

Mylar® Ovenable Films

DuPont Teijin Films have two unique ranges of films for ovenable lidding applications, Mylar® OL and Mylar® 850 portfolios. These have all been tested to the highest food approval standards and are safe to be used with all food types being cooked or re-heated using microwaves and conventional ovens.

Peelable Seal

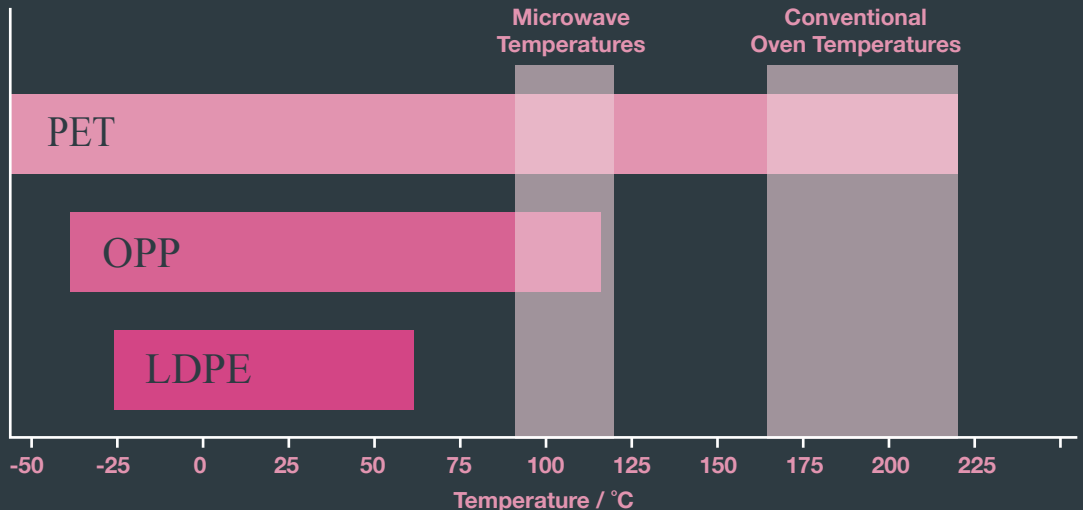
The Mylar® OL product range is specifically designed to self vent during the cooking process and peel from the container, or from itself, in flow wrap applications. An innovative range of heat seal chemistries have been developed which allow "easy peel" through to "firm peel" and "strong peel" for various applications.

Where pack aesthetics are important all of these grades are available with our class leading antifog technology, giving excellent see through benefits, and also treatments for high impact printability.

Permanent Seal

The Mylar® 850 range of films provide the best in class permanent seal and tamper-evident technology. Permanent sealing films can also be used for in-pack pasteurisation, ovenable pouches and flow wrap as well as lidding applications where suppliers specify a weld or lock up seal.


Temperature Capability of Films



Mylar® Ovenable Product Range

		COMPATIBLE SUBSTRATES			PEEL FORCE					TREATMENT		FILM DESCRIPTION/ TYPICAL APPLICATION	ORDER CODE PREFIX (for OL grades)					
		APET, CEPT, PETG	ALUMINIUM FOIL, GLASS	PVC, PVdC, PAPER	EASY	FIRM	STRONG	VERY STRONG	PERMANENT WELD SEAL	ANTI-FOG	CORONA		14	19	25	40		
	MYLAR® POLYESTER FILM																	Actual Film Thickness (Micron)
PEELABLE SEAL	D870	●			●							Convenient, easy peel lidding film designed for ready meal applications.	-	20	24	-		
	OL	●	●	●	●					●	●	The original ovenable lidding film for ready meals, used in both microwave and conventional ovens (dual ovenable).	14	21	25	38		
	OL2	●	●	●		●				●		Dual ovenable lidding film for ready meals but with higher seal strength. Provides improved seal strength through contamination and greater seal security. Additionally used for flow wrapping applications, where a self venting pack is required.	15	22	26	39		
	OL3	●	●	●			●				●	Thicker heat seal designed to seal through higher levels of contamination. Also used for carton board trays presenting rougher flange surfaces.	17	26	28	41		
	OL12	●	●	●				●		●	●	Alternative polyester heat seal chemistry to OL range provides very strong seals. Peelable seal when warm, permanent seal when cold. Used in lidding film for dual ovenable applications where increased security/tamper evidence is required, or for more heavily contaminated sealing environments. Often used for retort applications and sealing to smooth wall aluminium trays.	17	26	28	41		
	OL13	●	●	●				●		●	●	Similar to Mylar® OL12 but with thicker sealable layer designed to gap-fill on rough or porous surfaces such as pulpboard trays, and also sealing to smooth wall aluminium trays.	20	27	31	44		
	ML	●			●							Thicker heat sealable layer designed for stronger seal to mono CPET trays.	15	22	26	39		
PERMANENT SEAL	850	●	●	●				●		●		Excellent seal through contamination and hot tack properties. Used in dual ovenable applications where a permanent (weld seal) is required. Can be used as security/tamper evidence but is also commonly used for in-pack pasteurisation. Widely used in flow wrap applications.	15	20	30	-		
	852	●	●	●				●				Excellent slip on heat seal surface for improved handleability. Predominantly used for pre-made bags and pouches where ease of opening is required.	15	20	30	-		
	853	●	●	●				●				Similar to 850 but with an adhesion promoting pretreat on the plain side for printability.	15	20	30	-		

NOTE: all above thicknesses are rounded to nearest 0.5µm. Please check with your DuPont Teijin Films 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.

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