



# DuPont Teijin Films™

## MYLAR® CK5

### Product Description

MYLAR® CK5 is a heat sealable packaging film. MYLAR® CK5 is commercially available in nominal 150 gauge.

### General Product Info

MYLAR® CK5 is a biaxially oriented polyester (OPET) film with an amorphous heat seal layer. Typical applications use MYLAR® CK5 as a capping web for thermoformed, flexible packages or as a lidding film for trays. MYLAR® CK5 is designed to work with most roll stock thermoforming equipment along with standard heat sealing machines.

MYLAR® CK5 is a dual ovenable film which provides very strong, aggressive seals to polar substrates such as amorphous polyester (APET, also PETG), semi-crystalline polyester (CPET), polyester coated paperboard, and polyvinylchloride (PVC). MYLAR® CK5 does not seal to polyethylene, polypropylene, or polystyrene.

In general, MYLAR® CK5 can produce non-peeling, near "lock-up" type seals and is recommended for hot fill applications where non-peeling seals are desired. It can also be used in some "post-pasteurized" (steam sterilization) applications where the pressure balance in the package can be properly controlled (via vacuum or overpressure). MYLAR® CK5 lidding films have excellent grease and oil resistance.

MYLAR® CK5 can withstand freezing temperatures down to -40 °F, and foods can be heated or cooked in contact with this film at temperatures up to 425°F.

### Special Features

Anti-fog (MYLAR® CK5AF): MYLAR® CK5 is available with optional anti-fogging capability to provide better clarity when stored and displayed in refrigerated conditions. This film type is marketed by DuPont Teijin Films as CK5AF. MYLAR® CK5AT is also available with corona treatment on the opposite side from the heat seal layer.

### Approvals

**FDA Food Contact Status** - All gauges of MYLAR® CK5 comply with the Food and Drug Administration regulation 21 CFR 177.1630 - Polyethylene Terephthalate Polymers. This regulation describes films which may be safely used in contact with all types of food excluding alcoholic beverages. MYLAR® CK5 can be used to contain foods during oven cooking or oven baking temperatures above 250°F.

### Disposal

Disposal of MYLAR® CK5 does not present special disposal problems. It can be buried as a relatively inert material in a landfill or burned in an incinerator with normal refuse. The incinerator should have sufficient draft to exhaust all combustion products through the stack to avoid exposure to irritating fumes. The disposal method should comply with Local, State, and Federal regulations.

## Typical Properties

<b>Available Thickness [Gauge]</b>
150

Property	Thickness	Value	Units	Test
<b>BARRIER</b>				
Gas Permeability - O <sub>2</sub> , 24 hr	150	3	cc/100in <sup>2</sup>	ASTM D3985 22° C/50% RH/1 ATM
WVTR	150	0.9	g/100in <sup>2</sup> /day	ASTM F1249 38°C, 90% RH
<b>PHYSICAL</b>				
Elongation at Break MD	150	110	%	ASTM D882A
Elongation at Break TD	150	80	%	ASTM D882A
Modulus	150	550	kpsi	ASTM D822
Tear (Graves)	150	1.3	lb	ASTM D1004
Tensile Strength MD (break)	150	25	kpsi	ASTM D882A
Tensile Strength TD (break)	150	35	kpsi	ASTM D882A
Unit Weight	150	37.0	lb/ream	ASTM E252 (0.5m <sup>2</sup> )
Yield (nominal)	150	11,700	in <sup>2</sup> /lb	

## Contact Info

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## Disclaimer

Note: These values are typical performance data for DuPont Teijin Films' polyester film; they are not intended to be used as design data. We believe this information is the best currently available on the subject. It is offered as a possible helpful suggestion in experimentation you may care to undertake along these lines. It is subject to revision as additional knowledge and experience is gained. DuPont Teijin Films makes no guarantee of results and assumes no obligation or liability whatsoever in connection with this information. This publication is not a license to operate under, or intended to suggest

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