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## MYLAR® RL33

### Product Description

Mylar® RL33 is a biaxially oriented polyester (OPET) film with an ethylene vinyl acetate (EVA) heat seal layer. It is used as a heat sealable lidding film in packaging frozen and refrigerated foods. Mylar® RL33 can withstand freezing temperatures down to -40°F.

Mylar® RL33 is designed to seal to a broad range of container substrates including amorphous polyester (APET, also PETG), semicrystalline polyester (CPET), polyester coated paperboard, polyvinylchloride (PVC), polyethylene (HDPE), polypropylene (PP), and polystyrene (HIPS).



Mylar® RL33 has the same type heat seal layer as Mylar® RL31, but the seal layer is thicker than both Mylar® RL31 and Mylar® RL32. Mylar® RL33 develops stronger seals than Mylar® RL32 to most substrates and tends to produce tearing seals to non-polar substrates under chilled conditions. Mylar® RL33 is recommended when light caulking is needed. Mylar® RL33 has a lower seal initiation temperature than lidding films with an amorphous polyester heat seal layer (e.g., Mylar® OL, OL2). This allows good seals to be made at higher line speeds (or using lower sealing temperatures).

### Special Features

Corona Treatment (Mylar® RL33T): Selected gauges of Mylar® RL33 are available with corona treatment (on the opposite side of film from the heat seal layer) to enhance printing and laminating. This film type is marketed by DuPont Teijin Films as Mylar® RL33T. The film is treated to an initial dyne level of 54. The dyne level of treated lidding films may decline with storage, and in-line corona treatment may be required during subsequent printing or laminating to increase the dyne level to a value adequate to get desired ink or laminate adhesion.

Anti-fog: Mylar® RL33 is not available with anti-fog capability.

### Approvals

**Food Contact Status** - Please contact your DuPont Teijin Films representative to receive the Regulatory Compliance documents

### Disposal

Disposal of Mylar® RL33 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

Available Thickness [Gauge]
50; 75; 100

Property	Thickness	Value	Units	Test
<b>BARRIER</b>				
Gas Permeability - O <sub>2</sub> , 24 hr	100	5	cc/100 in <sup>2</sup>	ASTM D3985 22°C/50% RH/1 ATM
Gas Permeability - O <sub>2</sub> , 24 hr	50	9	cc/100 in <sup>2</sup>	ASTM D3985 22°C/50% RH/1 ATM
Gas Permeability - O <sub>2</sub> , 24 hr	75	7	cc/100 in <sup>2</sup>	ASTM D3985 22°C/50% RH/1 ATM

WVTR	100	1.3	g/100 in <sup>2</sup> /day	ASTM F1249 38°C, 90% RH
WVTR	50	2.8	g/100 in <sup>2</sup> /day	ASTM F1249 38°C, 90% RH
WVTR	75	1.9	g/100 in <sup>2</sup> /day	ASTM F1249 38°C, 90% RH
<b>PHYSICAL</b>				
Elongation at Break MD	All	110	%	ASTM D882A
Elongation at Break TD	All	80	%	ASTM D882A
Modulus	All	550	kpsi	ASTM D822
Tensile Strength MD (break)	All	25	kpsi	ASTM D882A
Tensile Strength TD (break)	All	35	kpsi	ASTM D882A
Unit Weight	100	26.4	lb/ream	ASTM E252 (0.5 m <sup>2</sup> )
Unit Weight	50	16.9	lb/ream	ASTM E252 (0.5 m <sup>2</sup> )
Unit Weight	75	22.7	lb/ream	ASTM E252 (0.5 m <sup>2</sup> )
Yield (nominal)	100	16,500	in <sup>2</sup> /lb	
Yield (nominal)	50	26,000	in <sup>2</sup> /lb	
Yield (nominal)	75	19,000	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 infringement of, any existing patents.

CAUTION: Do not use in medical applications involving permanent implantation in the human body ([DuPont Teijin Films Medical Policy](#)). For other medical applications, see the [Medical Caution Statement](#). DuPont Teijin Films accepts no liability for use of its products in medical applications not reviewed and approved by DuPont Teijin Films or for product misuse. DuPont Teijin Films supplies products to an agreed specification and does not manufacture products designed specifically for medical end use.

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