

MYLAR® RL44

DESCRIPTION:

MYLAR® RL44 is a biaxially oriented polyester with an EVA heat seal layer. It is used as a heat sealable lidding film in packaging frozen and refrigerated food. MYLAR® RL44 is commercially available in nominal 100 gauge.



← Clear PET Film

← EVA heat seal layer

CHARACTERISTICS:

- Designed to produce strong heat seals to polypropylene as well as APET, PETG, CPET, polyester coated paperboard, PVC, HDPE and HIPS
- Has a lower seal initiation temperature than lidding films with an amorphous polyester heat seal layer that allows good seals to be made at higher line speeds
- Recommended when caulking is needed
- Thicker seal layer than RL43-F produces highest seal strengths to PP and tends to produce tearing seals to non-polar substrates under chilled conditions
- Can withstand freezing temperatures down to -40°F and heating up to 250°F
- Corona treated version is available RL44T upon request

FDA STATUS:

Manufactured with material compliant with FDA regulations.

TECHNICAL DATA:

PROPERTIES	UNIT OF MEASURE	TYPICAL VALUES	TEST METHOD
Thickness	Gauge	100	-
Yield	In ² /lb	14,800	-
Tensile Strength MD at break	kpsi	25	ASTM D882A
Tensile Strength TD at break	kpsi	35	ASTM D882A
Elongation at Break MD	%	110	ASTM D882A
Elongation at Break TD	%	80	ASTM D882A
Gas Permeability O ₂ , 24 hr	cc/100in ²	5	ASTM D3985 22°C/ 50% RH/1 ATM
WVTR	g/100 in ² /day	1.3	ASTM F1249 38°C, 90% RH
Tear (Graves)	lb	1.1	ASTM D1004

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Revision Date: 03/31/2020

CORPORATE HEADQUARTERS 9201 W. Belmont Avenue | Franklin Park, IL 60131

USA 800.618.5060 | 847.678.1800 main | 847.233.0199 fax

CAN 800.268.4108 | 416.292.6000 main | 416.292.7399 fax

TRANSCENDIA.COM

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