Transcendia

ISO 9001:2008 Certified Company

MYLAR® RL4

DESCRIPTION:
MYLAR® RL4 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.

CHARACTERISTICS:

- Seals to APET, PETG, CPET, Polyester Coated Paperboard, PVC, HDPE and HIPS
- Dual ovenable
- Thickness of heat seal layer and heat seal strength is intermediate between RL31 and RL32
- Lower seal initiation temperature than lidding films with an APET heat seal layer
- Can withstand freezing temperatures down to -40^{0}F and heating up to 400^{0}F
- Corona treated version **(RL4T)** is available in 50, 75, and 100 gauges upon request

FDA STATUS:
Manufactured with material compliant with FDA regulations.

TECHNICAL DATA:

PROPERTIES	UNIT OF MEASURE	TYPICAL VALUES				TEST METHOD
Thickness	Gauge	50	75	100	150*	-
Yield	In^2/lb	28,900	20,800	17,700	12,200	-
Tensile Strength MD at break	psi	25,000	25,000	25,000	25,000	ASTM D882A
Tensile Strength TD at break	psi	35,000	35,000	35,000	35,000	ASTM D882A
Elongation at Break MD	%	110	110	110	110	ASTM D882A
Elongation at Break TD	%	80	80	80	80	ASTM D882A
Oxygen Transmission Rate	cm^3/100 in^2/day atm	9	7	5	3	ASTM D3985 72^{0}F
WVTR	g/100 in^2/day	2.8	1.9	1.3	0.9	ASTM F1249 38^{0}C, 90% RH
Tear (Graves)	lb	0.7	0.9	1.1	1.3	ASTM D1004

***This guage is not commercially available at this time, but could be developed for an appropriate application.**

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