

MYLAR® RL51T

DESCRIPTION:

MYLAR® RL51T is a biaxially oriented polyester with an EVA heat seal layer on one side and corona treated on the opposite side. It is used as a heat sealable lidding film in packaging frozen and refrigerated food.

CHARACTERISTICS:

- Good, generally strippable heat seals to APET, PETG, CPET, polyester coated paperboard, PVC, HDPE, and HIPS
- Dual ovenable
- Not recommended for applications where “caulking” is required
- Can withstand freezing temperatures down to -40°F and heating up to 400°F
- Corona treatment promotes adhesion of inks and adhesives

FDA STATUS:

Manufactured with material compliant with FDA regulations.

TECHNICAL DATA:

PROPERTIES	UNIT OF MEASURE	TYPICAL VALUES		TEST METHOD
Thickness	Gauge	50	100	-
Yield	ln ² /lb	34,500	19,500	-
Tensile Strength MD at break	psi	25,000	25,000	ASTM D882A
Tensile Strength TD at break	psi	35,000	35,000	ASTM D882A
Elongation at Break MD	%	110	110	ASTM D882A
Elongation at Break TD	%	80	80	ASTM D882A
Gas Permeability O ₂ , 24 hr	cc/100in ²	9	5	ASTM D3985 22°C/75% RH/1 ATM
WVTR	g/100 in ² /day	2.8	1.3	ASTM F1249 38°C, 90% RH
Tear (Graves)	lb	0.7	1.1	ASTM D1004
Surface Tension	Dyne	54	54	-

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