

TRANS-SEALING® PLF94T-F

FEATURES

TRANSPARENT, biaxially oriented polyester film with CORONA treatment on one side and HEAT SEALABLE on the opposite side.

- Trans-Sealing® PLF94T-F is a transparent polyester film with CORONA treatment on one side and HEAT SEALABLE (high seal strength) on the opposite side
- The CORONA treated side can be used for enhanced adhesion for printing and lamination
- The heat sealable layer is designed to heat seal onto itself or substrates such as APET, CPET, modified CPET, PET coated paperboard and PVC
- Dual ovenable with large sealing temperature range without deformation: from 260 to 410°F
- Food can be heated/cooked in contact with Trans-Sealing® 10.94T until 410°F; at higher temperatures the film begins to warp
- Trans-Sealing® PLF94T-F can withstand freezing temperatures down to -40°F
- Trans-Sealing® PLF94T-F complies with international regulations for food contact. Specific documents are available upon request.

APPLICATIONS

Versatile, heat sealable PET that can be used as a monolayer over-wrap or lidding film for tamper-evident packaging. It seals to itself or substrates such as APET, CPET, PET coated paperboard and PVC. It can also be converted with other products as part of a multi-layer structure. Higher seal strength than PLF93T-F for more demanding applications requiring robust seals.

TECHNICAL PROPERTIES (TYPICAL VALUES)

PROPERTIES		TEST CONDITIONS	UNIT	TYPICAL VALUES		
THICKNESS		ASTM E 252	Gauge	60	80	120
YIELD		ASTM D 646	Sq.in./lb.	33,500	25,100	16,800
TENSILE STRENGTH AT BREAK	MD	ASTM D 882	kpsi	23		26
	TD			26		27
ELONGATION AT BREAK	MD	ASTM D 882	%	145		140
	TD			120		95
INITIAL MODULUS	MD	ASTM D 882	kpsi	570		570
	TD			610		580
HAZE		ASTM D 1003	%	3		4
SHRINKAGE	MD	300°F /30 min.	%	1.1		
	TD			0.1		
COEFFICIENT OF FRICTION (SIDE A X SIDE B)	STATIC	ASTM D 1894	-	0.5		
	DYNAMIC			0.4		
WATER VAPOR TRANSMISSION RATE		ASTM F 1249 100°F - 90% RH	g/100in ² 24 hrs.	2.1	1.5	1.0
OXYGEN TRANSMISSION RATE		ASTM F 1927 75°F - 85% RH	cc/100in ² 24 hrs.	5.7	4.3	2.8
HEAT SEAL STRENGTH (SEALABLE SIDE X SEALABLE SIDE)		Film/Film @ 248°F; 31 psi, 1 sec	gms/in	600	800	1200
SURFACE TENSION (CORONA SIDE)		ASTM D 2578	Dyne/cm	56		

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