

TRANS-SEALING® PLF64-F

FEATURES

TRANSPARENT, biaxially oriented polyester film, one side HEAT-SEALABLE-PEELABLE.

- Trans-Sealing® PLF64-F is a clear polyester film with a HEAT SEALABLE - PEELABLE layer
- The CO-POLYMER adhesive layer is designed to heat seal onto and peel cleanly from substrates such as PP, HDPE, PS and HIPS. It also seals to itself, APET, CPET, modified CPET, PETG, rPET, PET coated paperboard, PC, PLA and PVC.
- Trans-Sealing® PLF64-F has lower Seal Initiation Temperature than Trans-Sealing® PLF63O-F
- Large sealing temperature range without deformation: from 210 to 410°F
- Food can be heated/cooked in contact with Trans-Sealing® PLF64-F until 410°F; at higher temperatures the film begins to warp
- Self-venting effect when heated in conventional and microwave ovens
- Trans-Sealing® PLF64-F can withstand freezing temperatures down to -40°F
- It has excellent mechanical properties, thickness uniformity, thermal and dimensional stability. Low oxygen, aroma and water vapor permeability
- Trans-Sealing® PLF64-F complies with international regulations for food contact. Specific documents are available upon request.

SEALING PERFORMANCE	SEALING TEMPERATURE		
	280°F	320°F	340°F
TO PET SUBSTRATES AND ITSELF	Easy Peel/No Shredding		
TO PP AND HDPE		Easy Peel /No Shredding	
TO HIPS			Easy Peel/No Shredding
TO ITSELF FOR VENTING	Easy Peel/Venting		
TO PET SUBSTRATES FOR VENTING		Easy Peel/Venting	

•PET Substrates: CPET, APET, PETG, rPET and PET coated paper trays, bottles or containers.

•Contaminated substrates: trays, bottles or containers with sauce or grease contaminating the rim or other sealing surface.

APPLICATIONS:

Dual ovenable lidding film for packaging refrigerated and frozen foods. Seals to itself, PP, HDPE, PS, HIPS, APET, CPET, modified CPET, PETG, rPET, PVC, PC, PLA and PET coated paperboard trays, containers, bottles, and jars.

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TECHNICAL PROPERTIES (TYPICAL VALUES)

PROPERTIES		TEST CONDITIONS	UNIT	TYPICAL VALUES			
THICKNESS		ASTM E 252	Gauge	53	80	100	200
YIELD		ASTM D 646	Sq.in./lb.	36,200	24,100	20,200	9,700
TENSILE STRENGTH AT BREAK	MD	ASTM D 882	kpsi	26			
	TD			23			
ELONGATION AT BREAK	MD	ASTM D 882	%	135			
	TD			95			
INITIAL MODULUS	MD	ASTM D 882	kpsi	520			
	TD			585			
HAZE		ASTM D 1003	%	10	12	14	15
SHRINKAGE	MD	300°F /30 min.	%	1.0			
	TD			0			
COEFFICIENT OF FRICTION (SIDE A X SIDE B)	STATIC	ASTM D 1894	-	0.4			
	DYNAMIC			0.2			
WATER VAPOR TRANSMISSION RATE		ASTM F 1249 100°F - 90% RH	g/100in ² 24 hrs.	2.6	1.8	1.6	0.6
OXYGEN TRANSMISSION RATE		ASTM F 1927 75°F - 85% RH	cc/100in ² 24 hrs.	7.1	4.5	3.9	1.7
HEAT SEAL STRENGTH (SEALABLE SIDE X SEALABLE SIDE)		Film/Film @ 230°F; 33 psi, 1 sec	gms/in	450			

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