

TRANS-SEALING® PLF630-F

FEATURES

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

- Trans-Sealing® PLF630-F is a transparent polyester film with a COEXTRUDED layer of CO- POLYMER adhesive that provides higher seal strength than Trans-Sealing® PLF63-H
- High barrier against gas, water vapor and aroma
- Large sealing temperature range without deformation: from 260 to 410°F
- Food can be heated/cooked in contact with Trans-Sealing® PLF630-F until 410°F - at higher temperatures the film begins to warp
- Self-venting effect when heated in conventional and microwave ovens
- Trans-Sealing® PLF630-F can withstand freezing temperatures down to -40°F
- The heat-sealable side has easy-open feature and allows ink adhesion; we recommend testing ink performance when printing is necessary at sealing area
- Dual ovenable with non-stick properties
- The film has excellent mechanical properties, thickness uniformity, thermal and mechanical stability
- Trans-Sealing® PLF630-F complies with international regulations for food contact. Specific documents are available upon request.

SEALING PERFORMANCE	SEALING TEMPERATURE		
	260°F	330°F	410°F
TO PET SUBSTRATES			Easy Peel/No Shredding
TO ITSELF		Easy Peel /No Shredding	
TO CONTAMINATED SUBSTRATES			Easy Peel/No Shredding
TO PET SUBSTRATES FOR VENTING		Easy Peel/Venting	
TO ITSELF FOR VENTING	Easy Peel/Venting		
TO PP, PE AND PS	10.64 suggested		

- 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

Suitable for applications where there is a need for easy-open effects, like tray lids or safety seals. Seals onto, and peels cleanly from, itself or substrates such as APET, CPET, modified CPET, PETG, rPET, PVC, PC, PLA, PET film or PET coated paperboard.

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TECHNICAL PROPERTIES (TYPICAL VALUES)

PROPERTIES		TEST CONDITIONS	UNIT	TYPICAL VALUES
THICKNESS		ASTM E 252	Gauge	80
YIELD		ASTM D 646	Sq.in./lb.	25,200
TENSILE STRENGTH AT BREAK	MD	ASTM D 882	kpsi	26
	TD			23
ELONGATION AT BREAK	MD	ASTM D 882	%	135
	TD			95
MODULUS	MD	ASTM D 882	kpsi	520
	TD			585
HAZE		ASTM D 1003	%	12
SHRINKAGE	MD	300°F /30 min.	%	1.0
	TD			-0.2
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.	1.8
OXYGEN TRANSMISSION RATE		ASTM F 1927 75°F - 85% RH	cc/100in ² 24 hrs.	5.0
HEAT SEAL STRENGTH (SEALABLE SIDE X SEALABLE SIDE)		Film/Film @ 230°F; 33 psi, 1 sec	gms/in	900

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