Transcendia
A LEADER IN CUSTOM ENGINEERED MATERIALS

ISO 9001 Certified Company
PERRY JOHNSON REGISTRARS, INC.

TRANS-SEALING® PLF63HT-F

FEATURES

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

- Trans-Sealing® PLF63HT-F is a transparent polyester film with CORONA treatment on one side and a COEXTRUDED layer of CO-POLYMER adhesive on the opposite side
- The CORONA treated side can be used for enhanced adhesion for printing and lamination
- 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® 10.63HT until 410°F - at higher temperatures the film begins to warp
- Self-venting effect when heated in conventional and microwave ovens
- Trans-Sealing® PLF63HT-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® PLF63HT-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	100	144
YIELD		ASTM D 646	Sq.in./lb.	25,100	20,100	14,000
TENSILE STRENGTH AT BREAK	MD TD	ASTM D 882	kpsi	26 23		
ELONGATION AT BREAK	MD TD	ASTM D 882	%	135 95		
INITIAL MODULUS	MD TD	ASTM D 882	kpsi	520 585		
HAZE		ASTM D 1003	%	12	14	15
SHRINKAGE	MD TD	300°F /30 min.	%	1.0 -0.2		
COEFFICIENT OF FRICTION (SIDE A X SIDE B)	STATIC DYNAMIC	ASTM D 1894	-	0.5 0.4		
WATER VAPOR TRANSMISSION RATE		ASTM F 1249 100°F - 90% RH	g/100in² 24 hrs.	1.8	1.6	1.2
OXYGEN TRANSMISSION RATE		ASTM F 1927 75°F - 85% RH	cc/100in² 24 hrs.	4.5	3.9	3.2
HEAT SEAL STRENGTH (SEALABLE SIDE X SEALABLE SIDE)		Film/Film @ 230°F; 33 psi, 1 sec	gms/in	700	800	900
SURFACE TENSION (CORONA SIDE)		ASTM D 2578	Dyne/cm	56		

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