Transcendia
A LEADER IN CUSTOM ENGINEERED MATERIALS

ISO 9001 Certified Company
PERRY JOHNSON REGISTRARS, INC.

TRANS-SEALING® PLF63HOT-F

FEATURES

TRANSPARENT, biaxially oriented polyester film, HEAT SEALABLE, PEELABLE HIGHER HOT TACK on one side and CORONA treated on the opposite side.

- Trans-Sealing® PLF63HOT-F is a transparent polyester film with a COEXTRUDED layer of CO-POLYMER adhesive with higher hot tack seal layer
- 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® 10.63HOT until 410°F; at higher temperatures the film begins to warp
- Self-venting effect when heated in conventional and microwave ovens
- Trans-Sealing® PLF63HOT-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® PLF63HOT-F complies with international regulations for food contact
- Specific documents are available upon request

SEALING PERFORMANCE	SEALING TEMPERATURE		
	210°F	300°F	350°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 hot fill where and weld seals when cold are desired. Seals onto (and peals cleanly from) itself or substrates such as APET, CPET, modified CPET, PETG, rPET, PVC, PC, PLA, PET film or PET coated paperboard. Trans-Sealing® PLF63HOT-F is recommended for applications requiring pasteurization.

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TECHNICAL PROPERTIES (TYPICAL VALUES)

PROPERTIES		TEST CONDITIONS	UNIT	TYPICAL VALUES
THICKNESS		ASTM E 252	Gauge	100
YIELD		ASTM D 646	Sq.in./lb.	20,100
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	%	7
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.	1.6
OXYGEN TRANSMISSION RATE		ASTM F 1927 75°F - 85% RH	cc/100in² 24 hrs.	3.9
HEAT SEAL STRENGTH (SEALABLE SIDE X SEALABLE SIDE)		Film/Film @ 230°F; 33 psi, 1 sec	gf/in	1500-2000
SURFACE TENSION (CORONA SIDE)		ASTM D 2578	Dyne/cm	56

The information and suggestions contained herein represent the best information available to Transcendia, Inc and we believe them to be reliable. They should not, however, be construed as controlling and are presented without guarantee of performance either express or implied. We urge purchasers to conduct confirmatory tests to determine final suitability for their specific end uses. No statement with respect to use is intended as a positive recommendation for such use and no warranty with respect to infringement of patents held by others is made or intended.

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