



HEAT SEALABLE Copolymer - PEELABLE
PET Homopolymer

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

Characteristics

- SEALPHANE 10.63H is a transparent polyester film with a COEXTRUDED layer of CO-POLYMER adhesive that provides higher seal strength than SEALPHANE 10.63;
- High barrier against gas, water vapour and aroma;
- Large sealing temperature range without deformation: from 130 to 210°C;
- Food can be heated/cooked in contact with SEALPHANE 10.63 until 210°C - at higher temperatures the film begins to warp;
- Self venting effect when heated in conventional and microwave ovens;
- SEALPHANE 10.63H can withstand freezing temperatures down to -40°C;
- 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;
- SEALPHANE 10.63H complies with international regulations for food contact. Specific documents are available upon request.

Sealing Performance	Sealing Temperature		
	130°C	165°C	210°C
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.

Typical Values

PROPERTIES	Analysis Methods	Unit	Typical Values	
Thickness	ASTM E 252	µm	20	25
Basis weight	ASTM D 646	g/m ²	28	35
Yield	ASTM D 646	m ² /kg	35,7	28,6
Tensile strength at break	MD	ASTM D 882	kgf/mm ²	18
	TD			16
Elongation at break	MD	ASTM D 882	%	135
	TD			95
Modulus	MD	ASTM D 882	kgf/mm ²	370
	TD			410
Haze	ASTM D 1003	%	12	14
Shrinkage	MD	150°C / 30 min	%	1,0
	TD			-0,2
Coefficient of friction (Side A x Side B)	Static	ASTM D 1894	-	0,6
	Dynamic			0,6
Water vapour transmission rate	ASTM F 1249 38°C - 90% RH	g/m ² .day	25	20
Oxygen transmission rate	ASTM F 1927 25°C - 85% RH	cm ³ /m ² .day	70	60
Heat seal strength (Sealable side x Sealable side)	Film/Film @ 110°C; 2,3 bar; 1 sec	gf/pol	700	800

Note:

The information and suggestions contained herein represent the best information available to TERPHANE 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.

For additional information, please contact our commercial department.



Av. Eng. Luiz Carlos Berrini, 1.645 - 9th floor - CEP 04571-011, Brooklin Novo - São Paulo - SP - Brazil
Tel.: [55 11] 2714-3972 and 2714-3963 - Fax.: [55 11] 2714-3978
exportsales@terphane.com
www.terphane.com