



HEAT SEALABLE Copolymer  
PET Homopolymer

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

## Characteristics

- SEALPHANE 10.93 is a transparent polyester film with a COEXTRUDED layer of medium seal strength CO-POLYMER adhesive;
- The CO-POLYMER adhesive layer is designed to heat seal onto itself or substrates such as APET, CPET, modified CPET, PET coated paperboard and PVC;
- Dual ovenable;
- Large sealing temperature range without deformation: from 130 to 210°C;
- Food can be heated/cooked in contact with SEALPHANE 10.93 until 210°C; at higher temperatures the film begins to warp;
- SEALPHANE 10.93 can withstand freezing temperatures down to -40°C;
- SEALPHANE 10.93 complies with international regulations for food contact. Specific documents are available upon request.

## Applications

Versatile, heat sealable PET that can be used as a monolayer over-wrap or lidding film for tamper-evident packaging. It seals to itself or substrates such as APET, CPET, PET coated paperboard and PVC. It can also be converted with other products as part of a multi-layer structure.

## Typical Values

PROPERTIES		Analysis Methods	Unit	Typical Values				
Thickness		ASTM E 252	µm	12*	15	20	23	30
Basis weight		ASTM D 646	g/m <sup>2</sup>	16,8	21	28	32,2	42
Yield		ASTM D 646	m <sup>2</sup> /kg	59,5	47,6	35,7	31,1	23,8
Tensile strength at break	MD	ASTM D 882	kgf/mm <sup>2</sup>	16				18
	TD			18				19
Elongation at break	MD	ASTM D 882	%	130	145			140
	TD			100	120			95
Initial modulus	MD	ASTM D 882	kgf/mm <sup>2</sup>	400				400
	TD			430				410
Haze		ASTM D 1003	%	3				4
Shrinkage	MD	150°C / 30 min	%	1,4	1,1			
	TD			0,1	0,1			
Coefficient of friction (Side A x Side B)	Static	ASTM D 1894	-	0,5				
	Dynamic			0,4				
Water vapour transmission rate		ASTM F 1927 25°C - 85% RH	cm <sup>3</sup> /m <sup>2</sup> .day	40	30	25	25	20
Oxygen transmission rate		ASTM F 1249 38°C - 90% RH	g/m <sup>2</sup> .day	110	95	70	60	50
Heat seal strength (Sealable side x Sealable side)		Film/Film @ 120°C; 2,3 bar; 1 sec	gf/in	400		600		900

\* Volumes by request

### 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.

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