



HEAT SEALABLE Copolymer  
PET Homopolymer

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

## Characteristics

- SEALPHANE 10.94 is a transparent polyester film with a COEXTRUDED layer of high 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 10.94 until 210°C; at higher temperatures the film begins to warp;
- SEALPHANE 10.94 can withstand freezing temperatures down to -40°C;
- SEALPHANE 10.94 complies with international regulations for food contact. Specific documents are available upon request.

## Applications

Versatile, SEALPHANE 10.94 is a 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.

SEALPHANE 10.94 has a higher seal strength than 10.93 for more demanding applications requiring robust seals.

## Typical Values

PROPERTIES		Analysis Methods	Unit	Typical Values		
Thickness		ASTM E 252	µm	15	20	30
Basis weight		ASTM D 646	g/m <sup>2</sup>	21	28	42
Yield		ASTM D 646	m <sup>2</sup> /kg	47,6	35,7	23,8
Tensile strength at break	MD	ASTM D 882	kgf/mm <sup>2</sup>	16		
	TD			18		
Elongation at break	MD	ASTM D 882	%	145		
	TD			120		
Initial modulus	MD	ASTM D 882	kgf/mm <sup>2</sup>	400		
	TD			430		
Haze		ASTM D 1003	%	3		
Shrinkage	MD	150°C / 30 min	%	1,1		
	TD			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 1249 38°C - 90% RH	g/m <sup>2</sup> .day	30	25	20
Oxygen transmission rate		ASTM F 1927 25°C - 85% RH	cm <sup>3</sup> /m <sup>2</sup> .day	95	70	50
Heat seal strength (Sealable side x Sealable side)		Film/Film @ 120°C; 2,1 bar; 1 sec	gf/pol	600	800	1200

### 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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