



HEAT SEALABLE Copolymer
PET Homopolymer
CORONA treatment

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

Characteristics

- SEALPHANE 10.94T is a transparent polyester film with CORONA treatment on one side and HEAT SEALABLE (high seal strength) on the opposite side;
- The CORONA treated side can be used for enhanced adhesion for printing and lamination;
- The heat sealable layer is designed to heat seal onto itself or substrates such as APET, CPET, modified CPET, PET coated paperboard and PVC;
- Dual ovenable with large sealing temperature range without deformation: from 130 to 210°C;
- Food can be heated/cooked in contact with SEALPHANE 10.94T until 210°C; at higher temperatures the film begins to warp;
- SEALPHANE 10.94T can withstand freezing temperatures down to -40°C;
- SEALPHANE 10.94T 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. Higher seal strength than 10.93T 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 ²	21	28	42
Yield		ASTM D 646	m ² /kg	47,6	35,7	23,8
Tensile strength at break	MD	ASTM D 882	kgf/mm ²	16		18
	TD			18		19
Elongation at break	MD	ASTM D 882	%	145		140
	TD			120		95
Initial modulus	MD	ASTM D 882	kgf/mm ²	400		400
	TD			430		410
Haze		ASTM D 1003	%	3		4
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 ² .day	30	25	20
Oxygen transmission rate		ASTM F 1927 25°C - 85% RH	cm ³ /m ² .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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