



HEAT SEALABLE Copolymer  
WHITE PET Homopolymer  
CORONA treatment

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

## Characteristics

- SEALPHANE 78.94T is a high opacity white 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 78.94T until 210°C; at higher temperatures the film begins to warp.
- SEALPHANE 78.94T can withstand freezing temperatures down to -40°C.
- SEALPHANE 78.94T 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.

## Typical Values

PROPERTIES		Analysis Methods	Unit	Typical Values
Thickness		ASTM E 252	µm	50
Basis weight		ASTM D 646	g/m <sup>2</sup>	70
Yield		ASTM D 646	m <sup>2</sup> /kg	14,3
Tensile strength at break	MD	ASTM D 882	kgf/mm <sup>2</sup>	19
	TD			22
Elongation at break	MD	ASTM D 882	%	90
	TD			60
Initial modulus	MD	ASTM D 882	kgf/mm <sup>2</sup>	420
	TD			480
Light transmission		ASTM D 1003	%	40
Shrinkage	MD	150°C / 30 min.	%	1,6
	TD			0,4
Coefficient of friction (Side A X Side B)	Static	ASTM D 1894	-	0,4
	Dynamic			0,4
Water vapour transmission rate		ASTM F 1249 38°C - 90% RH	g/m <sup>2</sup> .day	9
Oxygen transmission rate		ASTM F 1927 25°C - 85% RH	cm <sup>3</sup> /m <sup>2</sup> .day	25
Heat seal strength (sealable side x sealable side)		Film/Film @ 120°C - 2,1 bar 1 sec	gf/in	1200
Surface tension (CORONA side)		ASTM D 2578	Dyne/cm	56

### 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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