



HEAT SEALABLE copolymer
 PET homopolymer
 CHEMICAL treatment

TRANSPARENT, biaxially oriented polyester film,
 one side slightly HEAT SEALABLE
 and CHEMICALLY treated at the opposite side.

Characteristics

- Slight heat sealing property (to itself);
- Very good performance on printing and lamination processes, as well as on vertical packaging machines;
- The chemically treated layer allows good ink (on both gravure and flexographic processes), adhesives and varnishes adhesion;
- The sealing layer also allows ink adhesion; we recommend testing ink performance when printing is necessary at sealing area;
- Large sealing temperature range without deformation: from 130 to 210°C;
- Food can be heated/cooked in contact with SEALPHANE 10.96 until 210°C; at higher temperatures the film begins to warp;
- SEALPHANE 10.96 can withstand freezing temperatures down to -40°C;
- SEALPHANE 10.96 complies with international regulations for food contact. Specific documents are available upon request.

Applications

Designed for packaging applications requiring tack seal on the outer surface to tuck ears in flat bottom pouches.
 SEALPHANE 10.96 can also be used as an overwrap film with easy-open feature.

Typical Values

PROPERTIES		Analysis Methods	Unit	Typical Values
Thickness		ASTM E 252	µm	12
Basis weight		ASTM D 646	g/m ²	16,8
Yield		ASTM D 646	m ² /kg	59,5
Tensile strength at break	MD	ASTM D 882	kgf/mm ²	21
	TD			22
Elongation at break	MD	ASTM D 882	%	120
	TD			110
Initial modulus	MD	ASTM D 882	kgf/mm ²	450
	TD			500
Haze		ASTM D 1003	%	4,0
Shrinkage	MD	150°C / 30 min	%	1,5
	TD			0
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	40
Oxygen transmission rate		ASTM F 1927 25°C - 85% RH	cm ³ /m ² .day	110
Heat seal strength (Sealable side x Sealable side)		Film/Film @ 120°C; 2,3 bar; 1 sec	gf/pol	125

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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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