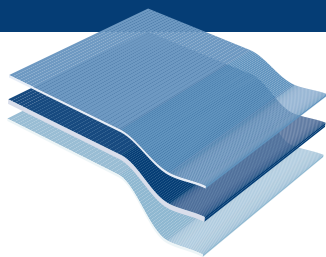


POLYESTER FILM SMAT



HEAT SEALABLE with MATTE finished
PET Homopolymer
CORONA Treatment

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

Characteristics

- POLYESTER FILM SMAT is a LOW GLOSS polyester film with a COEXTRUDED layer of medium seal strength CO-POLYMER adhesive with CORONA treatment on the opposite side.
- 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 POLYESTER FILM SMAT until 210°C; at higher temperatures the film begins to warp.
- POLYESTER FILM SMAT can withstand freezing temperatures down to -40°C.
- Corona treated side improves adhesion of ink, adhesive or varnish.
- POLYESTER FILM SMAT complies with international regulations for food contact. Specific documents are available upon request.

Applications

Base film for packaging applications requiring MATTE dull finish. This versatile, heat sealable PET can be used as a monolayer over-wrap film or as the outer layer on pouches requiring tack seal.

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	16
	TD			18
Elongation at break	MD	ASTM D 882	%	130
	TD			100
Initial modulus	MD	ASTM D 882	kgf/mm ²	400
	TD			430
Haze		ASTM D 1003	%	34
Light transmission		ASTM D 1003	%	86
Gloss at 60°		ASTM D 2457	GU	50
Shrinkage	MD	150°C / 30 min	%	1,4
	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	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	400
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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