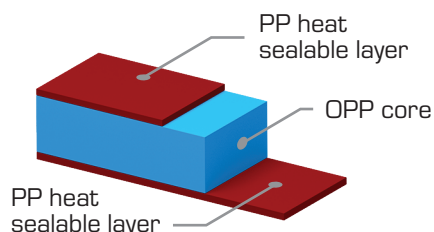


TATRAFAN SHTA

COEXTRUDED BIAXIALLY ORIENTED PP FILM FOR TOBACCO WRAPPING

Description and Application

- Both-side heat sealable
- Intended for tobacco products packaging (cigarette boxes, cartons bundle wrapping, cigars...)
- Excellent optical properties (gloss, haze)
- Asymmetrical slip properties for tighter wrap of cigarette packs (tailored for high slip performance)
- Improved barrier properties (moisture, odor) and antiblocking properties
- Resistant to solvent attack



TECHNICAL DATA

PROPERTIES	TEST METHOD	UNITS	TYPICAL VALUES		
Nominal thickness	DIN 53370	µm	16	18	20
tolerance		%	+5		
Unit weight	Internal method	g/m ²	14,8	16,4	18,2
tolerance		%	+5		
Yield		m ² /kg	67,6	61,0	54,9
Tensile strength	DIN EN ISO 527-1/3	N/mm ²	160		
MD (min.)			270		
TD (min.)		%	150		
Elongation at break	65				
MD (max.)		N/mm ²	2450		
TD (max.)					
Elasticity modulus					
MD (min.)					
Water vapour permeability (max.)	ASTM F 1249	g/m ² .24h	1,6	1,5	1,4
	23 °C, 85% r.h.				
	38 °C.90% r.h.		3,5	3,3	3,0
Oxygen permeability (max.)	DIN 53380	cm ³ /m ² .24h.	2300	2200	2100
	23%. 0% r.h.	0,1MPa			
Dynamic coefficient of friction - film/film out /out side	ASTM D 1894	-	0,25		
Seal temperature range	Internal method	°C	105 - 140		
Seal strength (min.)	120°C, 1,0s, 0,3MPa	N/15mm	2,0		
Shrinkage					
MD (min.)	130°C. 15min.	%	9		
TD (min.)			10		
Gloss (20°) (min.)	ASTM D 2457	%	90		
Haze (max.)	ASTM D 1003	%	2,5		

* After production ** After storage *** Typical values

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HANDLING AND STORAGE

The product does not present special safety requirements during handling and storage. In order to maintain their properties and to ensure good processability, the film should be stored avoiding high humidity and high temperature conditions. Do not exceed an ambient temperature of 40°C (transport temperature between (-20 + 30)°C and relative humidity of 80%. The product should be protect away from direct sunlight and heat (steam lines or other). Take measures against electrostatic discharges – the film will accumulate electrostatic charge of the web – it could by cause an electrical spark (ignition source). Keep away from source of ignition. Use with adequate ventilation.

General notes:

Do not handle or store near an open flame, sources of the heat orignition. Store in cool, dry area, away from direct heat or sunlight (Film for food packaging applications keep away from hazardous chemicals). Film properties are guaranteed for 6 month from the date of production.



AVAILABILITY

SHTA	Bobbin		
	Length (m)	Core diameter (mm)	Outside diameter (mm)
16	4100	76,8 120,0 or 152,0	max. 390
18	3800		
20	3300		

*Standard

ENVIRONMENT

When disposed of under orderly conditions no environmental damage effects occur. During burning under free air conditions only CO₂, CO and water arise. Does not contain additives based on heavy metals (Cd,PB,HG,Cr). This product is expected to persist.

OTHER INFORMATION

This information and recommendation is based on Terichem s best knowledge and belief accurate and reliable as of the date indicated.

However, no representation, warranty or guarantee is made with regards to accuracy, reliability or completeness. Conditions of use of the material are under the control of the user, therefore it is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.



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