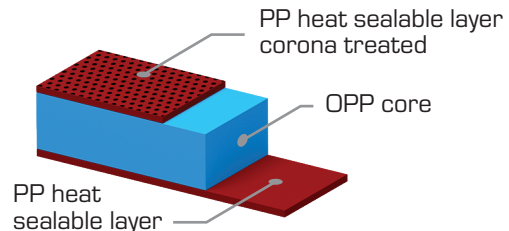


# TATRAFAN SHTE

## COEXTRUDED BIAXIALLY ORIENTED PP FILM FOR TOBACCO WRAPPING, PRINTABLE

### Description and Application

- Both-side heat sealable PRINTABLE film
- Intended for tobacco products packaging (cigarette boxes, cartons bundle, wrapping, cigars...)
- Excellent optical properties (gloss, haze) and slip properties (tailored for high slip performance)
- Improved barrier properties (moisture, odor) and antiblocking properties



## TECHNICAL DATA

PROPERTIES	TEST METHOD	UNITS	TYPICAL VALUES	
<b>Nominal thickness</b>	DIN 53370	µm	20	
tolerance		%	+5	
<b>Unit weight</b>	Internal method	g/m <sup>2</sup>	18,2	
tolerance		%	+5	
<b>Yield</b>		m <sup>2</sup> /kg	54,9	
<b>Tensile strength</b>	DIN EN ISO 527-1/3	N/mm <sup>2</sup>	MD (min.)	160
TD (min.)			270	
<b>Elongation at break</b>		%	MD (max.)	150
TD (max.)			65	
<b>Elasticity modulus</b>		N/mm <sup>2</sup>	2450	
<b>Water vapour permeability (max.)</b>	ASTM F 1249	g/m <sup>2</sup> .24h	23 °C, 85% r.h.	1,4
	38 °C.90% r.h.		3,0	
<b>Oxygen permeability (max.)</b>	DIN 53380	cm <sup>3</sup> /m <sup>2</sup> .24h.	2100	
	23%. 0% r.h.	0,1MPa		
<b>Dynamic coefficient of friction - film/film out /out side</b>	ASTM D 1894	-	0,25	
<b>Seal temperature range</b>	Internal method	°C	105 - 135	
<b>Seal strength (min.)</b>	120°C, 1,0s, 0,3MPa	N/15mm	2,0	
<b>Shrinkage</b>	130°C. 15min.	%	MD (min.)	9
TD (min.)			10	
<b>Gloss (20°) (min.)</b>	ASTM D 2457	%	90	
<b>Haze (max.)</b>	ASTM D 1003	%	3,0	
<b>Surface tension (min.)</b>	ASTM D 2578	mN/m	37	

\* 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

SHTE	Bobbin	
	Core diameter (mm)	Outside diameter (mm)
20	76 (76,8) or 152	max. 780

\*Standard

### ENVIRONMENT

When disposed of under orderly conditions no environmental damage effects occur. During burning under free air conditions only CO<sub>2</sub>, 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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