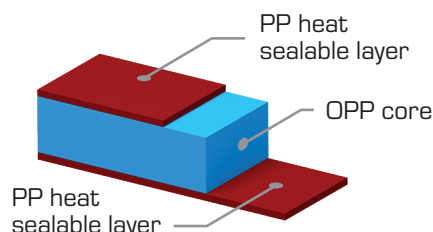


COEXTRUDED BIAXIALLY ORIENTED PP FILM FOR TOBACCO WRAPPING - HIGH SHRINK

Description and Application

- Both-side heat sealable
- Intended for tobacco products packaging (cigarette boxes, cartons bundle wrapping, cigars...) specially designed for wrinkle free **hard packs cigarette** - high shrink film
- Excellent optical properties (gloss, haze) and slip properties (tailored for high speed packers)
- Improved barrier properties (moisture, odor) and antiblocking properties



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	16,5	18,2
tolerance		%	+5		
Yield		m ² /kg	67,6	60,6	54,9
Tensile strength	DIN EN ISO 527-1/3	N/mm ²	180		
MD (min.)			280		
TD (min.)		%	150		
Elongation at break			65		
MD (max.)		N/mm ²	2700		
TD (max.)					
Elasticity modulus					
MD (min.)					
Water vapour permeability (max.)	ASTM F 1249 23 °C, 85% r.h. 38 °C.90% r.h.	g/m ² .24h	1,6 3,5	1,5 3,2	1,4 3,0
Oxygen permeability (max.)	DIN 53380 23%. 0% r.h.	cm ³ /m ² .24h. 0,1MPa	2200	2100	2000
Dynamic coefficient of friction - film/film out /out side	ASTM D 1894	-	0,3		
Seal temperature range	Internal method	°C	105 - 135		
Seal strength (min.)	120°C, 1,0s, 0,3MPa	N/15mm	2,0		
Shrinkage	130°C. 15min.	%	13		
MD (min.)			13		
TD (min.)			90		
Gloss (20°) (min.)	ASTM D 2457	%	90		
Haze (max.)	ASTM D 1003	%	2,5	3,0	

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