



SML Films Ltd.



SM 200 N

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DESCRIPTION : SM 200 N, Yarn grade film is a co-extruded transparent and untreated bi-axially oriented plain polyester film.

APPLICATION : Suitable for metallic and plain yarn application.

SALIENT FEATURES :

- Good clarity and transparency.
- Good adhesion to inks & lacquers.
- Excellent mechanical & thermal properties.

TECHNICAL DATA SHEET (SM 200 N)

Properties	Test Method	Unit	SM 200 N					
PHYSICAL								
Thickness	ASTM D-374	Micron	10	12	15	23	31	
Thickness Variation	SMLTM	%	±5	±5	±5	±5	±5	
Average Gammage	SMLTM	g/m ²	14.0	16.8	21.0	32.2	43.4	
Density	ASTM D-1505	g/cc	1.4	1.4	1.4	1.4	1.4	
Width	–	mm	500-3100	500-3100	500-3100	500-3100	500-3100	
Length	–	mtr	Up to 60000	Up to 60000	Up to 36000	Up to 21000	Up to 18000	
Joints	–	%	80% (NIL)					
			20% (1 Joint)					
OPTICAL								
Haze	ASTM D-1003	%	2.0~3.0	2.0~3.0	2.0~3.0	2.0~3.0	2.0~3.0	
Transmittance	ASTM D-1003	%	88.0~89.0	88.0~89.0	88.0~89.0	88.0~89.0	88.0~89.0	
MECHANICAL								
Tensile Strength (Min)	MD	ASTM D-882	Kg/cm ²	2500	2500	2500	2500	2400
	TD			2450	2450	2450	2400	2300
Elongation (Min)	MD	ASTM D-882	%	100	100	100	100	110
	TD			90	100	100	100	100
Coefficient of friction (Max)	Static	ASTM D-1894	–	0.50	0.50	0.50	0.50	0.50
	Kinetic			0.45	0.45	0.45	0.45	0.45
THERMAL								
Shrinkage (Max) (190°C /05 Min)	MD	ASTM D-1204	%	3.2	3.2	3.2	3.2	3.2
	TD			-0.4	-0.4	-0.4	-0.2	-0.2
SURFACE								
Wetting Tension	Outside	ASTM D-2578	Dyne/cm	44-46	44-46	44-46	44-46	44-46
	Inside			44-46	44-46	44-46	44-46	44-46

SMLTM : SML TEST METHOD, **MD :** MACHINE DIRECTION , **TD :** TRANSVERSE DIRECTION

Notes:

- 1- Tolerance in width +3mm and -0mm.
- 2- The above properties are indicative only. Film can be produced to suit customer's requirements.

