



SML Films Ltd.



SM 210 T

Doc No.-F/PRD/02, Rev.-01, Dt.-01.06.2016

DESCRIPTION : SM 210 T, **Stamping Foil grade** film is a co-extruded transparent and corona treated bi-axially oriented polyester film.

APPLICATION : Suitable for Stamping foil, Transfer Metallizing, Tension coating, Printing & Lamination application.

SALIENT FEATURES :

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

TECHNICAL DATA SHEET (SM 210 T)

Properties		Test Method	Unit	SM 210 T			
PHYSICAL							
Thickness		ASTM D-374	Micron	12	15	23	36
Thickness Variation		SMLTM	%	±5	±5	±5	±5
Average Grammage		SMLTM	g/m ²	16.8	21.0	32.2	50.4
Density		ASTM D-1505	g/cc	1.4	1.4	1.4	1.4
Width		–	mm	500-3100	500-3100	500-3100	500-3100
Length		–	mtr	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
Transmittance		ASTM D-1003	%	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	2400	2300
	TD			2400	2400	2300	2200
Elongation (Min)	MD	ASTM D-882	%	100	100	110	120
	TD			100	100	100	110
Coefficient of friction (Max)	Static	ASTM D-1894	–	0.50	0.50	0.50	0.50
	Kinetic			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
	TD			-0.4	-0.4	-0.2	-0.2
SURFACE							
Wetting Tension	Plain	ASTM D-2578	Dyne/cm	44-46	44-46	44-46	44-46
	Corona			52-58	52-58	52-58	52-58

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.

