



Sumilon Polyester Limited

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TECHNICAL SPECIFICATION SHEET

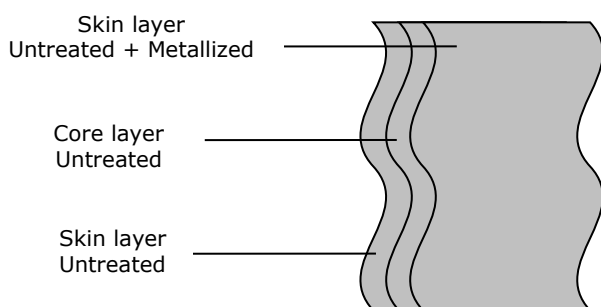
SM-151

Yarn Grade Film – Untreated + Metallized

SM-151 grade is a bi-axially oriented metallized polyester film. Metallization done on untreated side and other side plain.

SUPET®

(BIAXIALLY ORIENTED POLYESTER FILMS)



Main Features:

- ❖ Good metal bond strength.
- ❖ Good lamination bond strength.
- ❖ Excellent thermal & mechanical properties.
- ❖ High gloss & Good machinability

Applications:

- ❖ Suitable for Metallic Yarn applications.

PROPERTIES	TEST METHOD	UNIT	TECHNICAL DATA SM-151			
PHYSICAL						
Thickness	ASTM D-374	Micron	10	12	15	
Yield	SPTM	m ² /kg	71.4	59.5	47.6	
OPTICAL						
Optical Density	By Optel make Instrument	O.D	1.8 ± 2 %	1.8 ± 2 %	1.8 ± 2 %	
MECHANICAL						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm ²	2200	2200	2200
	TD	ASTM D-882	Kg/cm ²	2000	2000	2000
Elongation (Min)	MD	ASTM D-882	%	110	110	110
	TD	ASTM D-882	%	100	100	100
Coefficient of friction (Metal to films) (Max)	ST	ASTM D-1894	-	0.75	0.75	0.75
	DY	ASTM D-1894	-	0.70	0.70	0.70
THERMAL						
Shrinkage (MAX) (190°C / 5 min)	MD	ASTM D-1204	%	4.40	4.40	4.40
	TD	ASTM D-1204	%	0.00	0.00	0.00
SURFACE						
Wetting tension (Metal side) Min.	ASTM D-2578	Dyne / cm	54	54	54	

Note : Thickness & OD other than mentioned above can be given on customer requirements.

SPTM: SUMILON POLYESTER FILMS TEST METHOD, MD: MACHINE DIRECTION, TD: TRANSVERSE DIRECTION

DISCLAIMER

The values given in this technical datasheet are typical performance data and are believed to be accurate. These are given in good faith but it is for the customer to satisfy of the suitability for its own particular purpose. Sumilon Polyester Limited suggests the customer to confirm these values and product compatibility prior to their use and the company offers neither guarantee nor accepts any responsibility for the fitness of the product for any particular use.