



# Sumilon Polyester Limited

Corporate Office : 6/121/P, Vairagini Wadi, Delhi Gate, Surat - 395003. Gujarat, INDIA

Ph. : 0261 - 2441122 - 55- 66, 6797979

Email : sumilon@sumilon.com

Fax : +91 261 2442952

Web : sumilonpolyfilm.com

## TECHNICAL SPECIFICATION SHEET

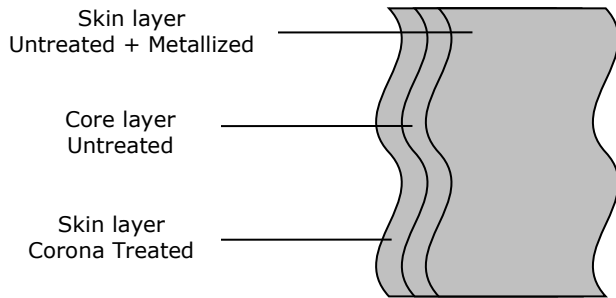
### SM-152

SUPET<sup>®</sup>

(BIAXIALLY ORIENTED POLYESTER FILMS)

#### Yarn Grade Film – Untreated + Metallized & Other Side Corona Treated

SM-152 grade is a bi-axially oriented metallized polyester film. Metallization done on untreated side and other side corona treated.



#### 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-152			
<b>PHYSICAL</b>						
Thickness	ASTM D-374	Micron	10	12	15	
Yield	SPTM	m <sup>2</sup> /kg	71.4	59.5	47.6	
<b>OPTICAL</b>						
Optical Density	By Optel make Instrument	O.D	1.8 ± 2 %	1.8 ± 2 %	1.8 ± 2 %	
<b>MECHANICAL</b>						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm <sup>2</sup>	2200	2200	2200
	TD	ASTM D-882	Kg/cm <sup>2</sup>	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
<b>THERMAL</b>						
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
<b>SURFACE</b>						
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.