



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

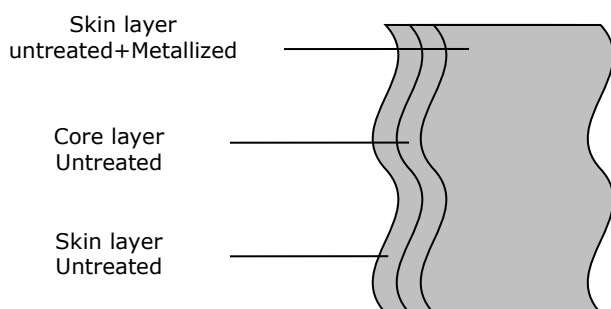
TECHNICAL SPECIFICATION SHEET

SUPET[®]

(BIAXIALLY ORIENTED POLYESTER FILMS)

SM3-102

SM3-102 grade is a bi-axially oriented medium density metallized polyester film. Metallization done on untreated side and other treated side is left open to promote the ink adhesion and laminate bond strength.



Main Features:

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

Applications:

- ❖ Suitable for Flexible packaging applications.

PROPERTIES	TEST METHOD	UNIT	TECHNICAL DATA SM3-102			
PHYSICAL						
Thickness	ASTM E-252	Micron	10	12	15	
Yield	SPTM	m ² /kg	71.4	59.5	47.6	
OPTICAL						
Optical Density	By optel make Instrument	-	2.1+5	2.1+5	2.1+5	
MECHANICAL						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm ²	2000	2000	2000
	TD	ASTM D-882	Kg/cm ²	1900	1900	1900
Elongation (Min)	MD	ASTM D-882	%	90	90	90
	TD	ASTM D-882	%	90	90	90
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) (150°C / 30 min)	MD	ASTM D-1204	%	2.80	2.80	2.80
	TD	ASTM D-1204	%	0.80	0.80	0.80
SURFACE						
Wetting tension (Metal side)Min.	ASTM D-2578	Dyne / cm	54	54	54	
BARRIER						
WVTR (38 °C & 90% RH) (Max)	ASTM F-1249	gm / m ² / day	1.20	1.10	1.10	
OTR (23 °C & 0% RH) (Max)	ASTM D-3985	cc / m ² / day	1.50	1.20	1.20	

Note: Thickness other than mentioned above can be given on customer requirements. Metal Bond strength (SPTM) is 125gm/25mm.

SPTM: SUMILON POLYESTER 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.