



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

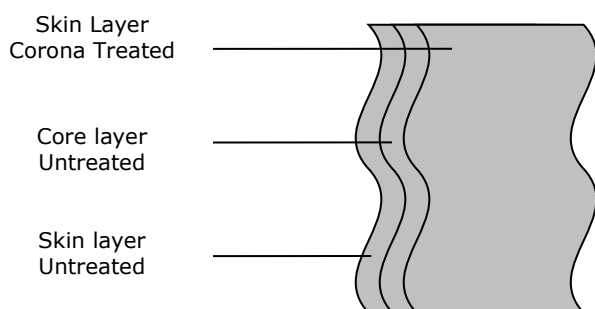
TECHNICAL SPECIFICATION SHEET

SUPET[®]

(BIAXIALLY ORIENTED POLYESTER FILMS)

S-152

S-152 grade is a bi-axially oriented transparent yarn grade polyester film with one side corona treated and other side plain. The films possess excellent dimensional stability at elevated temperature. Film has good mechanical, optical and surface properties.



Main Features:

- ❖ High clarity and transparency
- ❖ Excellent Machinability
- ❖ Dimensionally stable at high elevated temperatures.
- ❖ Excellent mechanical properties.

Applications:

- ❖ Metallic and plain yarn applications.
- ❖ High temperature coating, stamping foil.

PROPERTIES		TEST METHOD	UNIT	TECHNICAL DATA S-152					
PHYSICAL									
Thickness		ASTM E-252	Micron	10	12	15	23	36	50
Yield		SPTM	m ² /kg	71.4	59.5	47.6	31	19.8	14
OPTICAL									
Haze (Max)		ASTM D-1003	%	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0	2.5-3.5	2.5-3.5
Total luminous transmittance		ASTM D-1003	%	85	85	85	85	85	85
MECHANICAL									
Tensile strength (Min)	MD	ASTM D-882	Kg/cm ²	2200	2200	2200	2000	2000	2000
	TD	ASTM D-882	Kg/cm ²	2000	2000	2000	1900	1900	1900
Elongation (Min)	MD	ASTM D-882	%	90	90	90	90	100	100
	TD	ASTM D-882	%	90	90	90	90	90	90
Coefficient of friction (Side-A / B) (Max)	ST	ASTM D-1894	-	0.65	0.65	0.65	0.60	0.60	0.60
	DY	ASTM D-1894	-	0.60	0.60	0.60	0.55	0.55	0.55
THERMAL									
Shrinkage (MAX) (190°C / 5 min)	MD	ASTM D-1204	%	4.40	4.40	4.40	4.40	4.40	4.40
	TD	ASTM D-1204	%	0.00	0.00	0.00	0.00	0.00	0.00
SURFACE									
Wetting tension (Min.)Treated side		ASTM D-2578	Dyne / cm	52	52	52	52	52	52
BARRIER									
WVTR (38 °C & 90% RH) (Max)		ASTM F-1249-06	gm / m ² / day	55	45	38	27	22	18
OTR (23 °C & 0% RH) (Max)		ASTM D-3985-05	cc / m ² / day	139	115	92	72	52	32

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

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 Films 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.