



Sumilon Polyester Limited

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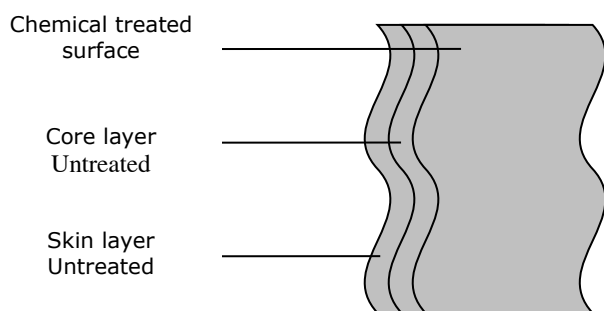
TECHNICAL SPECIFICATION SHEET

SUPET®

(BIAXIALLY ORIENTED POLYESTER FILMS)

S-600

S-600 grade is a bi-axially oriented transparent chemical coated grade polyester film with one side chemical coated for better metal adhesion, inks & adhesives and other side is plain. The films possess excellent mechanical, surface & thermal properties.



Main Features:

- ❖ High clarity and transparency
- ❖ Excellent Machinability
- ❖ Dimensionally stable.
- ❖ Excellent mechanical properties.

Applications:

- ❖ Flexible packaging applications.
- ❖ Excellent Adhesion of Metal, Inks & Adhesive
- ❖ Hot filled applications, tomato ketchup, juices, soup,

PROPERTIES	TEST METHOD	UNIT	TECHNICAL DATA S-600			
PHYSICAL						
Thickness	ASTM E-252	Micron	10	12	15	
Yield	SPTM	m ² /kg	71.4	59.5	47.6	
OPTICAL						
Haze (Max)	ASTM D-1003	%	3.5	3.5	3.5	
Total luminous transmittance	ASTM D-1003	%	85	85	85	
MECHANICAL						
Tensile strength (Min)	MD	ASTM D-882	Kg/cm ²	2200	2000	2200
	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 (Side-A / B) (Max)	ST	ASTM D-1894	-	0.65	0.65	0.65
	DY	ASTM D-1894	-	0.60	0.60	0.60
THERMAL						
Shrinkage (MAX) (150°C / 30 min)	MD	ASTM D-1204	%	2.80	2.80	2.80
	TD	ASTM D-1204	%	0.8	0.8	0.8
SURFACE						
Wetting tension (Min.)Treated side	ASTM D-2578	Dyne / cm	56	56	56	
BARRIER						
WVTR (38 °C & 90% RH) (Max)	ASTM F-1249-06	gm / m ² / day	55	45	38	
OTR (23 °C & 0% RH) (Max)	ASTM D-3985-05	cc / m ² / day	139	115	92	

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 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.