



## Sumilon Polyester Ltd.

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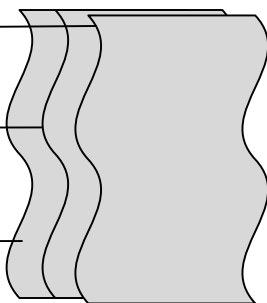
### TECHNICAL SPECIFICATION SHEET (S-601)

S-601 grade is a bi-axially oriented transparent chemical coated grade polyester film with one side special chemical coating & other side corona treated. The coated surface provides good adhesion to wide range of inks and laminating adhesives so that improve the bond strength of laminates.. This film grade complies with FDA and EC regulations for food packaging.

Special Chemical  
coated surface

Core layer  
Untreated

Skin layer  
Corona treated



#### Main Features:

- ❖ Printing ,Coating, Lamination
- ❖ Enhanced lamination bond strength
- ❖ High Metal bond strength & barrier properties

#### Applications:

- ❖ Hot filled Application e.g Tomato ketchup ,Juices
- ❖ Retort packaging
- ❖ Frozen food packaging
- ❖ Cosmetics & Personal care products

#### TECHNICAL DATA

Properties	Test method		Unit	S-601	
PHYSICAL					
Thickness	ASTM E-252		Micron	10	12
Yield	SPTM		m <sup>2</sup> /kg	71.4	59.5
OPTICAL					
Haze (Max)	ASTM D-1003		%	3.0	3.5
Total luminous transmittance	ASTM D-1003		%	85	85
MECHANICAL					
Tensile strength (Min)	MD	ASTM D-882	Kg/cm <sup>2</sup>	2000	2000
	TD	ASTM D-882	Kg/cm <sup>2</sup>	1900	1900
Elongation (Min)	MD	ASTM D-882	%	90	90
	TD	ASTM D-882	%	90	90
Coefficient of friction (Max)	St	ASTM D-1894	-	0.50	0.50
	Dy	ASTM D-1894	-	0.45	0.45
THERMAL					
Shrinkage (Max) (150 <sup>o</sup> C / 30 min)	MD	ASTM D-1204	%	2.8	2.8
	TD	ASTM D-1204	%	0.8	0.8
SURFACE					
Wetting tension ( Coated/Treated)	ASTM D-2578		Dyne / cm	46+(Coated) 54 + (Treated)	46+(Coated) 54 + (Treated)
BARRIER					
WVTR (38 <sup>o</sup> C & 90% RH)	ASTM F-1249-06		gm / m <sup>2</sup> / day	<50	<45
OTR (23 <sup>o</sup> C & 0% RH)	ASTM D-3985-05		cc / m <sup>2</sup> / day	<135	<130

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.

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