



POLYPLEX

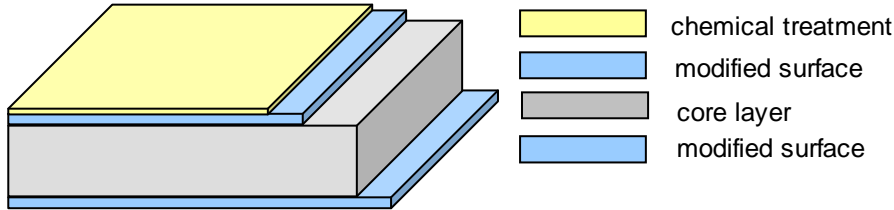
SARAFIL

PRODUCT INFORMATION

Rev. date: 29-02-08

Rev. no. P01-07-08

SARAFIL Transparent **S56** grade Polyester film is designed to enhance adhesion to solvent and water based inks and coatings. On Metallising the chemically treated side, it shows enhanced metal adhesion. It is used in flexible packaging and metallising applications which require increased bond strength and adhesion.



MICRONS (GAUGE) : 10 & 12 (40 & 48)

**TYPE :1) S56I : One side Chemically treated (wound Inside)
2) S56O : One side Chemically treated (wound Outside)**

Alternate of the above film as
S56C (One side chemically coated other side corona is also available)

			TYPICAL VALUES	
PROPERTIES	UNIT	TEST METHOD	10 (40) MICRON (GAUGE)	12 (48) MICRON (GAUGE)
NOMINAL THICKNESS	Micron (gauge)	Polyplex Method	10 (40)	12 (48)
YIELD	m ² /kg (in ² /lb)	Polyplex Method	71.4 (50,400)	59.6 (42,000)
MECHANICAL PROPERTIES				
TENSILE STRENGTH	MD	ASTM D- 882	2200 (31.5)	2200 (31.5)
	TD		2300 (32.9)	2300 (32.9)
ELONGATION AT BREAK	MD	ASTM D- 882	130	130
	TD		125	125
THERMAL PROPERTIES				
HEAT SHRINKAGE (150 Deg. C/30 minutes)	MD	ASTM D- 1204	2.0	2.0
	TD		0.2	0.2

DISCLAIMER

The information given above is to the best of our knowledge and experience. Some of the properties can be changed as a result of suppliers' efforts to improve upon the quality or production efficiency of the subject. The information is believed to be true and accurate and is not intended to violate any statutory condition or right of a third party. Polyplex makes no warranty, express or implied, as to the fitness of the product for any specific use or purpose. The above data is purely for reader's consideration, investigation and verification and should be read in conjunction with the conditions for sale or contract.



POLYPLEX

SARAFIL

PRODUCT INFORMATION

Rev. date: 29-02-08

Rev. no. P01-07-08

PROPERTIES	UNIT	TEST METHOD	10 (40) MICRON (GAUGE)	12 (48) MICRON (GAUGE)
SURFACE PROPERTIES				
CO-EFFICIENT OF FRICTION (A/B)		ASTM D-1894	0.44/(0.48)	0.44/(0.48)
STATIC-S56/(S56C)			0.34/(0.38)	0.34/(0.38)
DYNAMIC-S56/(S56C)				
SURFACE TENSION	Dyne/cm	ASTM D-2578	56	56
CHEMICALLY TREATED SIDE			42	42
UNTREATED SIDE				
OPTICAL PROPERTIES				
HAZE	%	ASTM D-1003	2.3	2.3
LIGHT TRANSMISSION	%	ASTM D-1003	89	88
BARRIER PROPERTIES				
WVTR, 37.7 deg 90% RH	gm/m ² /day	ASTM F-1249	45	40
O2 Permeability 23 deg 0% RH	cm ³ /m ² /day	ASTM D 3985-95	135	130

- These above properties can be changed to meet the specific requirements of the customers.

STANDARD ROLL SIZE'S (ROLLS OUTER DIA)

Core ID	Standard Lengths	10 (40) MICRON (GAUGE)	12 (48) MICRON (GAUGE)
76.2 mm / 3 in	12,000 mtrs / 40,000 ft	425 mm / 16.7 in	463 mm / 18.2 in
154.4 mm / 6 in	12,000 mtrs / 40,000 ft		488 mm / 19.2 in
154.4 mm / 6 in	18,000 mtrs / 60,000 ft	537 mm / 21.1 in	581 mm / 22.9 in
154.4 mm / 6 in	24,000 mtrs / 80,000 ft	610 mm / 24.0 in	663 mm / 26.1 in
154.4 mm / 6 in	36,000 mtrs / 120,000 ft	736 mm / 28.9 in	802 mm / 31.5 in
Other Lengths available on request.			
Length / OD +/- 5%			
Slit Widths – normally 400mm to 3000mm other widths on request			

DISCLAIMER

2

The information given above is to the best of our knowledge and experience. Some of the properties can be changed as a result of suppliers' efforts to improve upon the quality or production efficiency of the subject. The information is believed to be true and accurate and is not intended to violate any statutory condition or right of a third party. Polyplex makes no warranty, express or implied, as to the fitness of the product for any specific use or purpose. The above data is purely for reader's consideration, investigation and verification and should be read in conjunction with the conditions for sale or contract.