

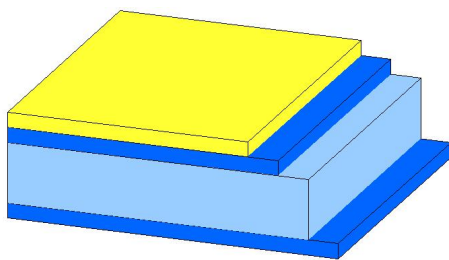






## Polyfilm Polyplex Polyester Films

### Type: SF105 (high bond strength and thermal treatment) 12my

Polyfilm SF105 grade is a specially primed polyester film to enhance adhesion to solvent or water based inks and coatings. The film can be used in flexible packaging applications where the laminates used for applications requires boiling water resistance e.g retort applications, exposure to oven and microwave heating. It is the obligation of the customer to test any specific application.

### Composition



-  chemical treatment
-  standard surface
-  core
-  standard surface

### Treatment

SF150: Transparent - special coating inside and plain outside / SF105: Transparent - special coating outside and plain inside

### Typical Properties

Provisional data

Property	Units	Nominal	Method	Conditions
Mechanical Properties				
Nominal thickness	μ	12	PTL Method	
Yield	m <sup>2</sup> /kg	59.7	PTL Method	
Unit weight	g/m <sup>2</sup>	16.8		
Density	g/cm <sup>3</sup>	1.4		
Elongation at break	MD %	110	ASTM D-882	

Property	Units	Nominal	Method	Conditions
	TD %	120		
Tensile strength	MD kg/cm <sup>2</sup>	2100	ASTM D-882	
	TD kg/cm <sup>2</sup>	2200		
<b>Thermal Properties</b>				
Heat shrinkage	MD %	2.0	ASTM D-1204	150 Deg. C/30 min.
	TD %	0.0		
<b>Surface Properties</b>				
Co-efficient of friction static		0.45	ASTM D-1894	
Co-efficient of friction dynamic		0.40	ASTM D-1894	
Surface tension untreated side	dyne/cm	42	ASTM D-2578	
Surface tension chemically treated side	dyne/cm	50	ASTM D-2578	
<b>Physical/Chemical Properties</b>				
Light transmission	%	90	ASTM D-1003	
<b>Optical Properties</b>				
Haze	%	2.5	ASTM D-1003	
<b>Barrier Properties</b>				
WVTR	gm/m <sup>2</sup> /day	40	ASTM F-1249	37.7 Deg., 90%RH
O2 Permeability	cm <sup>3</sup> /m <sup>2</sup> /day	130	ASTM D-3985-95	23 Deg., 0%RH

## Standard Roll Presentation

Thickness	Core	Length	outside diameter
μ	mm	m	mm
12	76	12000	450
12	152	18000	570
12	152	24000	650

## Disclaimer

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