

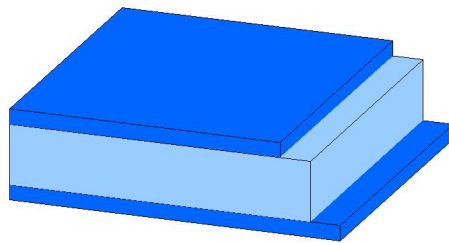





## Polyfilm Polyplex Polyester Films

### Type: TFS 12my

Polyfilm Transparent TFS grade Polyester film has been specially designed for hot stamping foil. It has excellent dimensional stability at higher operating temperature.

### Composition



-  standard surface
-  core
-  standard surface

### Typical Properties

Property	Units	Nominal	Method	Conditions
<b>Mechanical Properties</b>				
Nominal thickness	μ	12	PTL Method	
Yield	m <sup>2</sup> /kg	59.6	Polyplex Method	
Unit weight	g/m <sup>2</sup>	16.8		
Density	g/cm <sup>3</sup>	1.4		
Elongation at break	MD %	125	ASTM D-882	
	TD %	130		
Tensile strength	MD kg/cm <sup>2</sup>	2300	ASTM D-882	
	TD kg/cm <sup>2</sup>	2200		
<b>Thermal Properties</b>				
Heat shrinkage	MD %	3.8	ASTM D-1204	190 Deg. C/5 minutes
	TD %	0.2		
<b>Surface Properties</b>				
Co-efficient of friction static		0.48	ASTM D-1894	

Property	Units	Nominal	Method	Conditions
Co-efficient of friction dynamic		0.38	ASTM D-1894	
Surface tension	dyne/cm	42	ASTM D-2578	
<b>Optical Properties</b>				
Light transmission	%	88	ASTM D-1003	
Haze	%	2.3	ASTM D-1003	
<b>Barrier Properties</b>				
WVTR	g/m <sup>2</sup> /day	40	ASTM F-1249	23°C 90%RH
O2 Permeability	cm <sup>3</sup> /m <sup>2</sup> /day	130	ASTM D-3985-95	23°C 0%RH

## Standard Roll Presentation

Thickness μ	Core mm	Length m	outside diameter mm
12	76	6000	325
12	76	12000	450
12	152	18000	570
12	152	24000	650
12	152	36000	785

## Disclaimer

The information given above is to the best of our knowledge and experience at the time of printing. We make no warranty, express or implied, for specific product properties or 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 general conditions for sale.

Edition: 5/2008