

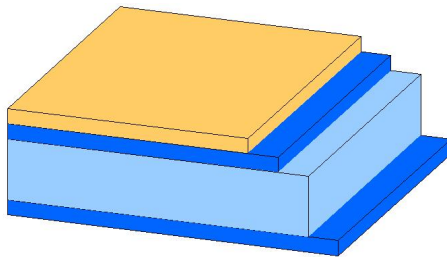






## Polyfilm Polyplex Polyester Films

### Type: TFC (corona treated) 12my

Polyfilm Transparent TFC grade Polyester film is designed for use in printing, metallising, coating and lamination processes for flexible packaging application. It has good transparency, excellent machinability, sparkling gloss, flexibility and chemical resistance. It has excellent slip and dimensional stability over a wide range of temperatures.

### Composition



-  corona treatment
-  standard surface
-  core
-  standard surface

### Treatment

TFCO = corona treated outside TFCI = corona treated inside

### Typical Properties

Property	Units	Nominal	Method	Conditions
Mechanical Properties				
Nominal thickness	μ	12	Polyplex Method	
Yield	m <sup>2</sup> /kg	59.6	Polyplex Method	
Unit weight	g/m <sup>2</sup>	16.80		
Density	g/cm <sup>3</sup>	1.4		
Elongation at break	MD %	130	ASTM D-882	
	TD %	125		
Tensile strength	MD kg/cm <sup>2</sup>	2200	ASTM D-882	
	TD kg/cm <sup>2</sup>	2300		

Property	Units		Nominal	Method	Conditions
<b>Thermal Properties</b>					
Heat shrinkage	MD	%	2.0	ASTM D-1204	150 Deg. C/30 minutes
	TD	%	0.2		
<b>Surface Properties</b>					
Co-efficient of friction static A-B			0.52	ASTM D-1894	
Co-efficient of friction dynamic A-B			0.40	ASTM D-1894	
Surface tension (corona treated side)	dyne/cm		54	ASTM D-2578	
<b>Optical Properties</b>					
Haze		%	2.3	ASTM D-1003	
Light transmission		%	88	ASTM D-1003	
<b>Barrier Properties</b>					
WVTR		g/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	6000	325
12	76	12000	450
12	152	18000	570
12	152	24000	650
12	152	36000	785

## Disclaimer

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