

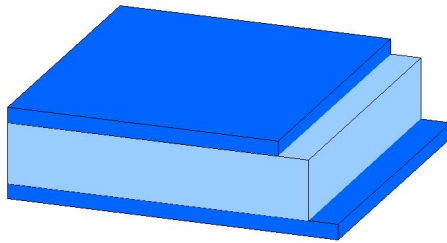





Polyfilm Polyplex Polyester Films

Type: TF (plain) 50my

Polyfilm Transparent TF grade Polyester film is designed for use in printing, metallising, and coating applications. It can also be used for various industrial and cable core wrapping applications. It has excellent slip and dimensional stability over a wide range of temperatures.

Composition



-  standard surface
-  core
-  standard surface

Typical Properties

Property	Units	Nominal	Method	Conditions
Mechanical Properties				
Nominal thickness	μ	50	Polyplex Method	
Yield	m^2/kg	14.3	Polyplex Method	
Unit weight	g/m^2	70		
Density	g/cm^3	1.4		
Elongation at break	MD %	170	ASTM D-882	
	TD %	150		
Tensile strength	MD kg/cm^2	1900	ASTM D-882	
	TD kg/cm^2	2000		
Thermal Properties				
Heat shrinkage	MD %	1.6	ASTMD-1204	150 Deg. C/30 min.
	TD %	0.2		

Property	Units	Nominal	Method	Conditions
Surface Properties				
Co-efficient of friction static		0.42	ASTMD-1894	
Co-efficient of friction dynamic		0.32	ASTMD-1894	
Surface tension (plain side)	dyne/cm	42	ASTM D-2578	
Optical Properties				
Haze	%	4.2	ASTM D-1003	
Light transmission	%	88	ASTM D-1003	
Barrier Properties				
WVTR	g/m ² /day	7	ASTM F-1249	23°C 90 RH
O2 Permeability	cm ³ /m ² /day	30	ASTM D-3985-95	23°C 0% RH
Electrical Properties				
Break down voltage	KV	11	ASTM D-149	

Standard Roll Presentation

Thickness μ	Core mm	Length m	outside diameter mm
50	76	3000	460
50	152	4500	585
50	152	6000	665

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.

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