



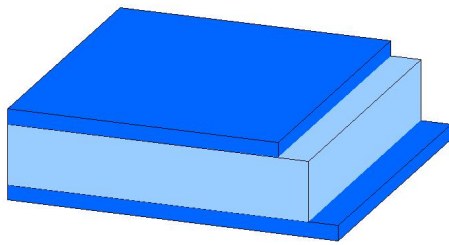
From the datasheet collection at <http://www.polyfilmambalaj.com>




Polyfilm Polyplex Polyester Films

Type: TI (isotropic) 12my

Polyfilm Transparent TI grade Polyester film is designed for use in critical applications which needed more dimensional uniformity of physical properties.

Composition



-  standard surface
-  core
-  standard surface

Typical Properties

Property	Units	Nominal	Method	Conditions
Mechanical Properties				
Nominal thickness	μ	12	PTL Method	
Elongation at break	MD %	130	ASTM D-882	
	TD %	120		
Tensile strength	MD kg/cm ²	2300	ASTM D-882	
	TD kg/cm ²	2400		
Thermal Properties				
Heat shrinkage	MD %	1.8	ASTM D-1204	150 Deg. C/30 min.
	TD %	0.0		
Surface Properties				
Co-efficient of friction static		0.50	ASTM D-1894	
Co-efficient of friction dynamic		0.45	ASTM D-1894	

Property	Units	Nominal	Method	Conditions
Surface tension TF (plain film)	dyne/cm	42	ASTM D-2578	
Physical/Chemical Properties				
Density	g/cm ³	1.4		
Optical Properties				
Haze	%	2.5	ASTM D-1003	
Light transmission	%	90	ASTM D-1003	
Barrier Properties				
WVTR	g/m ² day	40	ISO 15106-I: 03	37.7 Deg. 90% RH
O2 Permeability	cm ³ /m ² day	130	ASTM D-3985-95	23 Deg. 0% RH
Yield Properties				
Yield	m ² /kg	59.7	Polyplex Method	

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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