

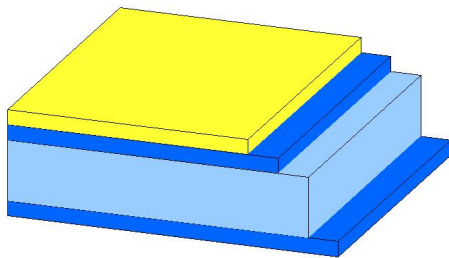






Polyfilm Polyplex Polyester Films

Type: S42 (acrylic treated) 10my

Polyfilm Transparent S42 grade Polyester film has good handling properties and is pretreated on one side to enhance adhesion to solvent based inks and coatings. It is primarily used for printing and coating in flexible packaging application.

Composition



-  chemical treatment
-  standard surface
-  core
-  standard surface

Treatment

S42O = outside treated S42I = inside treated

Typical Properties

Property	Units	Nominal	Method	Conditions
Mechanical Properties				
Nominal thickness	μ	10	PTL Method	
Yield	m^2/kg	71.4	PTL Method	
Unit weight	g/m^2	14		
Density	g/cm^3	1.4		
Elongation at break	MD %	130	ASTM D-882	

Property	Units	Nominal	Method	Conditions
	TD %	125		
Tensile strength	MD kg/cm ²	2200	ASTM D-882	
	TD kg/cm ²	2300		
Thermal Properties				
Heat shrinkage	MD %	2.0	ASTM D-1204	150 Deg. C/30 min.
	TD %	0.2		
Surface Properties				
Co-efficient of friction static		0.42	ASTM D-1894	
Co-efficient of friction dynamic		0.32	ASTM D-1894	
Surface tension chemically treated side	dyne/cm	42	ASTM D-2578	
Surface tension chemically untreated side	dyne/cm	42	ASTM D-2578	
Physical/Chemical Properties				
Light transmission	%	89	ASTM D-1003	
Optical Properties				
Haze	%	2.3	ASTM D-1003	
Barrier Properties				
WVTR	g/m ² /day	45	ASTM F-1249	23°C, 90% RH
O2 Permeability	cm ³ /m ² /day	135	ASTM D 3985-95	23°C 0% RH

Standard Roll Presentation

Thickness	Core	Length	outside diameter
μ	mm	m	mm
10	76	12000	415
10	152	15000	490
10	152	20000	555

Disclaimer

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