

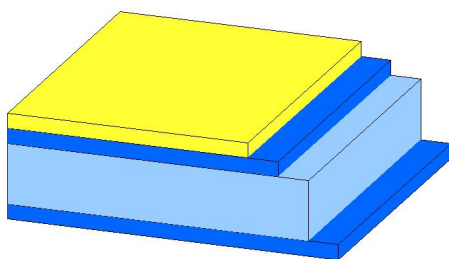






Polyfilm Polyplex Polyester Films

Type: S56 (chemically treated copolymer) 50my

Polyfilm S56 Polyester film is designed to enhance adhesion to various inks and coatings. On metallising the chemically treated side, it shows enhanced metal adhesion. It is used in flexible packaging and metallising applications which require increased bond strength and adhesion. S56 is generally not suitable for laminates which have to be resistant to pasteurisation or boiling water or for steam sterilisation. Do not corona treat the chemically treated surface, since this would destroy the adhesion properties.

Composition



-  chemical treatment
-  standard surface
-  core
-  standard surface

Treatment

S56O = copolymer treated outside S56I = copolymer treated inside

Typical Properties

Property	Units	Nominal	Method	Conditions
Mechanical Properties				
Nominal thickness	μ	50	PTL Method	
Tensile strength	MD	kg/cm ²	1850	ASTM D-882
	TD	kg/cm ²	1900	
Elongation at break	MD	%	145	ASTM D-882
	TD	%	130	

Property	Units		Nominal	Method	Conditions
Thermal Properties					
Heat shrinkage	MD	%	1.2	ASTMD-1204	150 Deg. C/30 min.
	TD	%	0.2		
Surface Properties					
Surface tension (plain side)	Dyne/cm		42	ASTM D-2578	
Surface tension (chemically treated side)	Dyne/cm		56	ASTM D-2578	
Co-efficient of friction static			0.42	ASTMD-1894	
Co-efficient of friction dynamic			0.36		
Physical/Chemical Properties					
Light transmission	%		89	ASTM D-1003	
Optical Properties					
Gloss at 60 Deg.	%		160		
Haze	%		4.0	ASTM D-1003	
Barrier Properties					
O2 Permeability	cm ³ /m ² day		30	ASTM D-3985-95	23 Deg. 0% RH
WVTR	g/m ² day		7	ISO 15106-I: 03	23 Deg. 0% RH
Electrical Properties					
Break down Voltage	KV		9.0	ASTM D-149	

Standard Roll Presentation

Thickness	Core	Length	outside diameter
μ	mm	m	mm
50	76	3000	460
50	152	3000	410
50	152	4500	585
50	152	6000	665

Disclaimer

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