

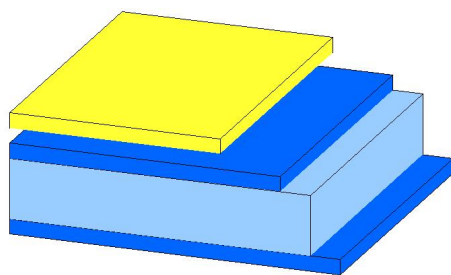






Polyfilm Polyplex Polyester Films

Type: S56 (chemically treated copolymer) 12my

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	12	PTL Method	
Yield	m ² /kg	12	PTL Method	
Unit weight	g/cm ³	16.8		
Density	g/cm ³	1.4		
Elongation at break	MD	%	130	ASTM D-882
	TD	%	125	

Property	Units	Nominal	Method	Conditions
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 minutes
	TD	%	0.2	
Surface Properties				
Co-efficient of friction static			0.44	ASTM D-1894
Co-efficient of friction dynamic			0.34	ASTM D-1894
Surface tension: chemically treated side	dyne/cm		56	ASTM D-2578
Surface tension: untreated side	dyne/cm		42	ASTM D-2578
Physical/Chemical Properties				
Light transmission	%		88	ASTM D-1003
Optical Properties				
Haze	%		2.3	ASTM D-1003
Barrier Properties				
WVTR	g/m ² /day		40	ISO 15106-1: 03 23°C, 90% RH
O2 Permeability	cm ³ /m ² /day		130	ASTM D 3985-95 23°C, 0% RH

Standard Roll Presentation

Thickness	Core	Length	outside diameter
μ	mm	m	mm
12	76	12000	450
12	152	18000	570
12	152	24000	650

Disclaimer

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