

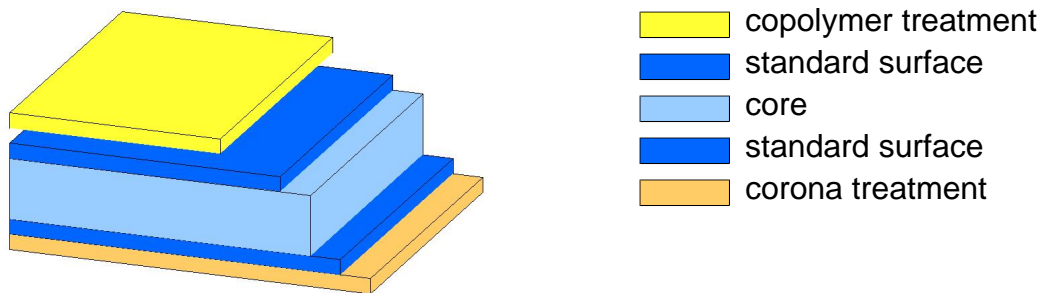


Polyfilm Polyplex Polyester Films

Type: S56C (copolymer and corona treated) 12my

Polyfilm S56C 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. S56C 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



Treatment

S56C = copolymer treated inside, corona treated outside SC56 = copolymer treated outside, corona treated inside

Typical Properties

Property	Units	Nominal	Method	Conditions
Mechanical Properties				
Nominal thickness	μ	12	PTL Method	
Tensile strength	MD kg/cm ³	2200	ASTM D-882	
	TD kg/cm ³	2300		
Elongation at break	MD %	125	ASTM D-882	
	TD %	120		

Property	Units		Nominal	Method	Conditions
Thermal Properties					
Heat shrinkage	MD	%	2.0	ASTM D-1204	150 Deg. C/30 minutes
	TD	%	0.0		
Surface Properties					
Surface tension: chemically treated side	dyne/cm		56	ASTM D-2578	
Surface tension: corona treated side	dyne/cm		52	ASTM D-2578	
Co-efficient of friction static			0.48	ASTM D-1894	
Co-efficient of friction dynamic			0.44	ASTM D-1894	
Physical/Chemical Properties					
Light transmission	%		90	ASTM D-1003	
Density	g/cm ³		1.4		
Optical Properties					
Haze	%		2.5		
Barrier Properties					
O2 Permeability	cc/m ² .Day		130	ASTM D 3985-95	23.0 Deg., 0% RH
WVTR	g/m ² .Day		40	ISO 15106-1: 03	37.7 Deg., 90% 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	12000	450
12	152	18000	570
12	152	24000	650

Disclaimer

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