

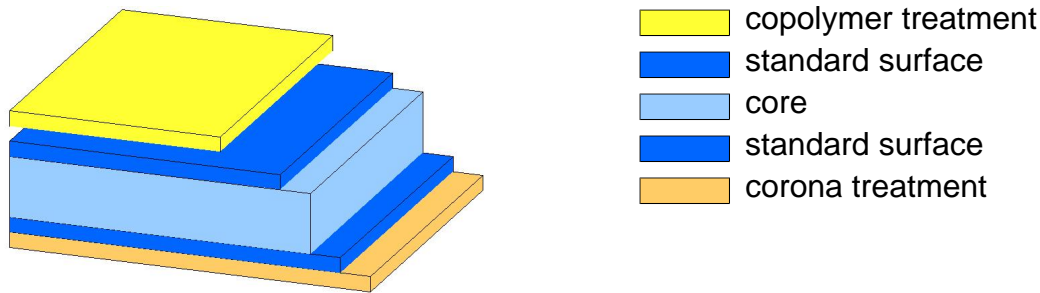


Polyfilm Polyplex Polyester Films

Type: S56C (copolymer and corona treated) 10my

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	10	PTL Method	
Elongation at break	MD %	120	ASTM D-882	
	TD %	110		
Tensile strength	MD kg/cm ²	2200	ASTM D-882	
	TD kg/cm ²	2300		

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		0.50	ASTM D-1894	
Co-efficient of friction dynamic		0.38	ASTM D-1894	
Physical/Chemical Properties				
Light transmission	%	90	ASTM D-1003	
Density	g/cm ³	1.4		
Optical Properties				
Haze	%	2.5		
Gloss at 60 Deg.	%	160	ASTM D-2457-97	
Barrier Properties				
O2 Permeability	cc/m ² .Day	130	ASTM D 3985-95	23 Deg. 0% RH
WVTR	g/m ² .Day	40	ISO 15106-1: 03	23 Deg. 90% RH

Standard Roll Presentation

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

Disclaimer

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