

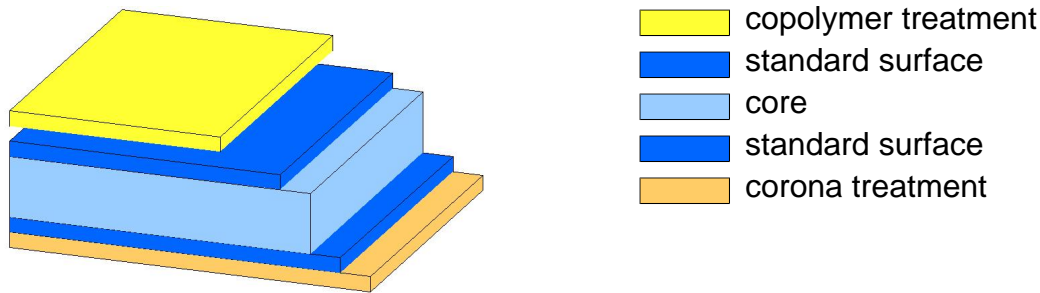


## Polyfilm Polyplex Polyester Films

### Type: S56C (copolymer and corona treated) 15my

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	15	PTL Method	
Tensile strength	MD kg/cm <sup>2</sup>	2100	ASTM D-882	
	TD kg/cm <sup>2</sup>	2200		
Elongation at break	MD %	130	ASTM D-882	
	TD %	120		

Property	Units		Nominal	Method	Conditions
<b>Thermal Properties</b>					
Heat shrinkage	MD	%	1.6	ASTM D-1204	150 Deg. C/30 minutes
	TD	%	0.0		
<b>Surface Properties</b>					
Surface tension: chemically treated side	dyne/cm		56	ASTM D-2578	
Surface tension: chemically corona treated side	dyne/cm		56	ASTM D-2578	
Co-efficient of friction static			0.48	ASTM D-1894	
Co-efficient of friction dynamic			0.44	ASTM D-1894	
<b>Physical/Chemical Properties</b>					
Light transmission	%		90	ASTM D-1003	
<b>Optical Properties</b>					
Gloss at 60 Deg.	%		170	ASTM D523	
Haze	%		3.0		
<b>Barrier Properties</b>					
O2 Permeability	cc/m <sup>2</sup> .Day		100	ASTM D 3985-95	23 Deg. 0% RH
WVTR	g/m <sup>2</sup> .Day		28	ISO 15106-1: 03	23 Deg. 90% RH

## Standard Roll Presentation

Thickness	Core	Length	outside diameter
μ	mm	m	mm
15	152	9000	465
15	152	15000	585
15	152	18000	635

## Disclaimer

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