

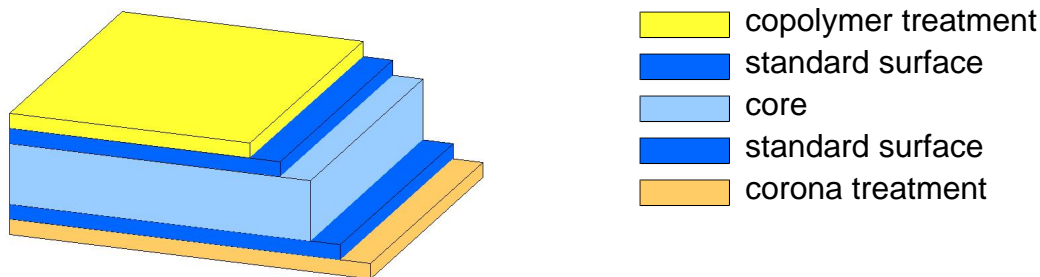


## Polyfilm Polyplex Polyester Films

### Type: S56C (copolymer and corona treated) 36my

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	36	PTL Method	
Elongation at break	MD %	140	ASTM D-882	
	TD %	135		
Tensile strength	MD kg/cm <sup>2</sup>	1900	ASTM D-882	
	TD kg/cm <sup>2</sup>	2100		

Property	Units		Nominal	Method	Conditions
<b>Thermal Properties</b>					
Heat shrinkage	MD	%	1.6	ASTMD-1204	150 Deg. C/30 min.
	TD	%	0.0		
<b>Surface Properties</b>					
Co-efficient of friction dynamic			0.38		
Co-efficient of friction static			0.46	ASTMD-1894	
Surface tension: chemically treated side	Dyne/cm		56	ASTM D-2578	
Surface tension: chemically corona treated side	Dyne/cm		56	ASTM D-2578	
<b>Physical/Chemical Properties</b>					
Light transmission	%		89	ASTM D-1003	
<b>Optical Properties</b>					
Gloss at 60 Deg.	%		160		
Haze	%		3.5	ASTM D-1003	
<b>Barrier Properties</b>					
O2 Permeability	cm <sup>3</sup> /m <sup>2</sup> day		45	ASTM D-3985-95	23 Deg. 0% RH
WVTR	g/m <sup>2</sup> day		10	ISO 15106-I: 03	23 Deg. 0% RH
<b>Electrical Properties</b>					
Break down Voltage	KV		7.0	ASTM D-149	

## Standard Roll Presentation

Thickness	Core	Length	outside diameter
μ	mm	m	mm
36	76	4500	480
36	152	6000	570
36	152	8000	650

## Disclaimer

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