

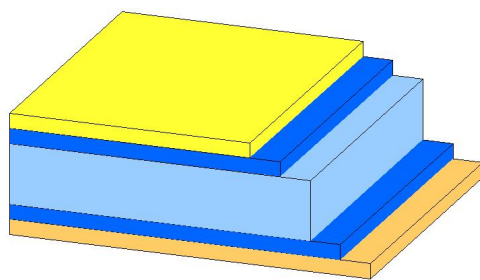







Polyfilm Polyplex Polyester Films

Type: S56C (copolymer and corona treated) 50my

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



-  copolymer treatment
-  standard surface
-  core
-  standard surface
-  corona treatment

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	50	PTL Method	
Tensile strength	MD kg/cm ²	1850	ASTM D-882	
	TD kg/cm ²	1900		
Elongation at break	MD %	145	ASTM D-882	
	TD %	130		

Property	Units		Nominal	Method	Conditions
Thermal Properties					
Heat shrinkage	MD	%	1.2	ASTMD-1204	150 Deg. C/30 min.
	TD	%	0.2		
Surface Properties					
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			0.42	ASTMD-1894	
Co-efficient of friction dynamic			0.36		
Physical/Chemical Properties					
Light transmission	%		89	ASTM D-1003	
Optical Properties					
Gloss at 60 Deg.	%		160		
Haze	%		4.0	ASTM D-1003	
Barrier Properties					
WVTR	g/m ² day		7	ISO 15106-I: 03	23 Deg. 0% RH
O2 Permeability	cm ³ /m ² day		30	ASTM D-3985-95	23 Deg. 0% RH
Electrical Properties					
Break down Voltage	KV		9.0	ASTM D-149	

Standard Roll Presentation

Thickness	Core	Length	outside diameter
μ	mm	m	mm
50	76	3000	460
50	152	3000	410
50	152	4500	585
50	152	6000	665

Disclaimer

The information given above is to the best of our knowledge and experience at the time of printing. We make no warranty, express or implied, for specific product properties or as to the fitness of the product for any specific use or purpose. The above data is purely for reader's consideration, investigation and verification and should be read in conjunction with the general conditions for sale.