

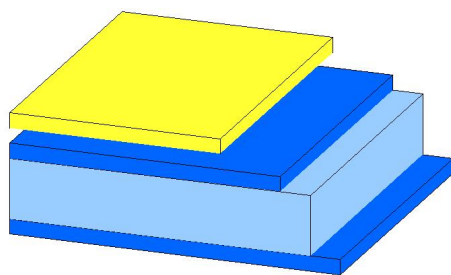






Polyfilm Polyplex Polyester Films

Type: S56 (chemically treated copolymer) 19my

Polyfilm S56 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. S56 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



-  chemical treatment
-  standard surface
-  core
-  standard surface

Treatment

S56O = copolymer treated outside S56I = copolymer treated inside

Typical Properties

Property	Units	Nominal	Method	Conditions
Mechanical Properties				
Nominal thickness	μ	19.0	PTL Method	
Tensile strength	MD kg/cm ²	2100	ASTM D-882	
	TD kg/cm ²	2200		
Elongation at break	MD %	130	ASTM D-882	
	TD %	120		

Property	Units		Nominal	Method	Conditions
Thermal Properties					
Heat shrinkage	MD	%	1.6	ASTM D-1204	150 Deg. C/30 minutes
	TD	%	0.0		
Surface Properties					
Surface tension: chemically coated side	dyne/cm		56	ASTM D-2578	
Surface tension: chemically uncoated side	dyne/cm		42	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	%		89.5	ASTM D-1003	
Optical Properties					
Haze	%		3.0		
Gloss at 60 Deg.	%		145	ASTM D523	
Barrier Properties					
WVTR	g/m ² .Day		20	ISO 15106-1: 03	23 Deg. 90% RH
O2 Permeability	cc/m ² .Day		85	ASTM D 3985-95	23 Deg. 0% RH

Standard Roll Presentation

Thickness	Core	Length	outside diameter
μ	mm	m	mm
19	152	8000	490
19	152	12000	585
19	152	15000	650

Disclaimer

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