

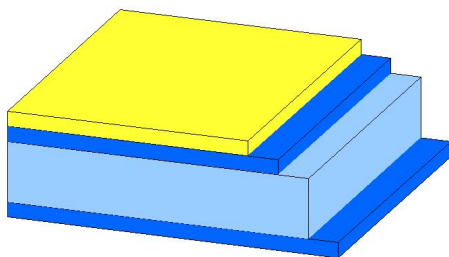






Polyfilm Polyplex Polyester Films

Type: S56 (chemically treated copolymer) 23my

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	23.0	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	ASTMD-1204	150 Deg. C/30 min.
	TD	%	0.0		
Surface Properties					
Surface tension (plain side)	Dyne/cm		42	ASTM D-2578	
Surface tension (chemically treated side)	Dyne/cm		56	ASTM D-2578	
Co-efficient of friction static			0.48	ASTMD-1894	
Co-efficient of friction dynamic			0.42		
Physical/Chemical Properties					
Light transmission	%		89.5	ASTM D-1003	
Optical Properties					
Haze	%		3.0	ASTM D-1003	
Gloss at 60 Deg.	%		170		
Barrier Properties					
WVTR	g/m ² day		17	ISO 15106-I: 03	23 Deg. 0% RH
O2 Permeability	cm ³ /m ² day		70	ASTM D-3985-95	23 Deg. 0% RH

Standard Roll Presentation

Thickness	Core	Length	outside diameter
μ	mm	m	mm
23	76	9000	540
23	152	9000	560
23	152	12000	640

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.

Edition: 3/2005