

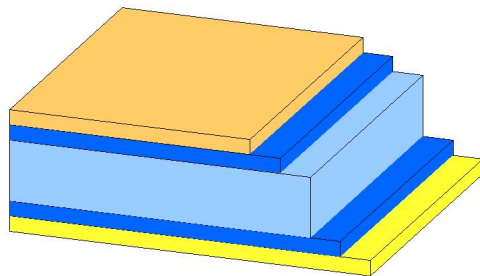


## Polyfilm Polyplex Polyester Films

### Type: S42C (acrylic and corona treated) 12my

Polyfilm Transparent S42C grade Polyester film has good handling properties and is pretreated on two sides to enhance adhesion to solvent based inks and coatings. It is primarily used for printing and coating in flexible packaging application.

### Composition



- corona treatment
- standard surface
- core
- standard surface
- chemical treatment

### Typical Properties

Property	Units	Nominal	Method	Conditions
Mechanical Properties				
Nominal thickness	μ	12	PTL Method	
Yield	m <sup>2</sup> /kg	59.6	PTL Method	
Unit weight	g/m <sup>2</sup>	16.8		
Density	g/cm <sup>3</sup>	1.4		
Elongation at break	MD %	130	ASTM D-882	
	TD %	125		
Tensile strength	MD kg/cm <sup>2</sup>	2200	ASTM D-882	
	TD kg/cm <sup>2</sup>	2300		
Thermal Properties				
Heat shrinkage	MD %	2.0	ASTM D-1204	150 Deg. C/30 min.
	TD %	0.2		

Property	Units	Nominal	Method	Conditions
<b>Surface Properties</b>				
Surface tension corona treated side	dyne/cm	52	ASTM D-2578	
Surface tension chemically treated side	dyne/cm	42	ASTM D-2578	
<b>Physical/Chemical Properties</b>				
Light transmission	%	88	ASTM D-1003	
<b>Optical Properties</b>				
Haze	%	2.3	ASTM D-1003	
<b>Barrier Properties</b>				
O2 Permeability	cm <sup>3</sup> /m <sup>2</sup> /day	130	ASTM D 3985-95	23°C 0% RH
WVTR	g/m <sup>2</sup> /day	40	ISO 15106-I: 03	23°C, 90% RH

## Standard Roll Presentation

Thickness	Core	Length	outside diameter
μ	mm	m	mm
12	76	12000	450
12	152	18000	570
12	152	24000	650

## 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.

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