

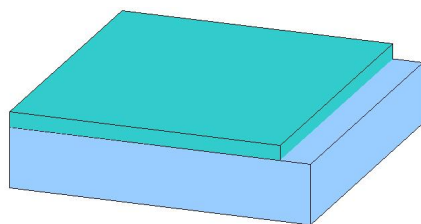


Polyfilm Polyplex Polyester Films

Type: VCS2040 PVDC and chemically coated 11.2my

Polyfilm VCS2040 is a transparent barrier Polyester film PVDC coated on one side, designed for high barrier flexible packaging applications (OTR = 8cc) . It has good moisture, oxygen and aroma barrier suitable for "see-through" packaging structure. It is suitable for product requiring extended shelf life applications and MAP packages. PVDC side is suitable for gravure or flexo printing with solvent based inks, providing high ink adhesion and excellent printability. PVDC side can be laminated using one or two components, solvent base and solvent less based adhesives. It has good mechanical properties, good clarity and gloss. PVDC film roll should be stored at ambient temperature and exposure to UV/warm light should be avoided.

Composition



treatment

VCS2040-O: coating wound outside
VCS2040-I: coating wound inside

Typical Properties

Provisional data

Property	Units	Nominal	Method	Conditions
Mechanical Properties				
Nominal thickness	μ	11.2	Polyplex Method	
Yield	m ² /kg	62.5	Polypex Method	
Unit weight	g/m ²	16.0		
Elongation at break	MD %	130	ASTM D-882	
	TD %	125		

Property	Units		Nominal	Method	Conditions
Tensile strength	MD	kg/cm ²	2200	ASTM D-882	
	TD	kg/cm ²	2300		
Thermal Properties					
Heat shrinkage	MD	%	2.0	ASTM D-1204	150 Deg. C/30 minutes
	TD	%	0.2		
Surface Properties					
Co-efficient of friction (A/B) static			0.65	ASTM D-1894	
Co-efficient of friction (A/B) dynamic			0.55	ASTM D-1894	
Surface tension treated side	dyne/cm		54	ASTM D-2578	
Optical Properties					
Haze		%	4.5	ASTM D-1003	
Barrier Properties					
WVTR		g/m ² /day	max. 8.0	ASTM F-1249	38 Deg. 90% RH
O2 Permeability		cc/m ² /day	max. 8.0	ASTM D 3985-95	23 Deg. 0% RH

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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