



POLYFILM

From the datasheet collection at <http://www.polyfilmambalaj.com>

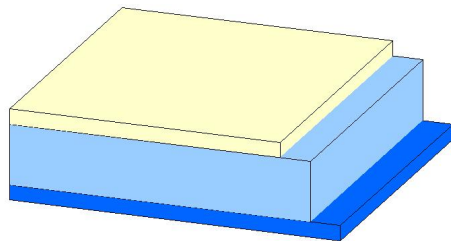
Polyfilm Polyplex Polyester Films




Type: HS100 Co extruded PET film 36my

Polyfilm HS is a co-extruded one side heat sealable film having good barrier properties. It can be heat sealed to itself, PVdC coated film, APET or CPET, but it will not seal to Polystyrene or Polyolefins like Polypropylene, Polyethylene.

It is the responsibility of the manufacturer of the final packaging and of the food packer to ensure the suitability of ultimate pack for cooking conditions as well as suitability of devices used for cooking. General cooking safety precautions need to be followed when the packs are used in ovens, as direct touch with heating elements and spillage of food contents on heating elements etc. can lead to safety hazards. Packing supplier/designer needs to ensure the requirements of perforations on the film to take care of any pressure build ups during cooking of food.

Composition



-  heat seal surface
-  core
-  modified surface

Typical Properties

Provisional data

Property	Units	Nominal	Method	Conditions
Mechanical Properties				
Nominal thickness	μ	36	Polyplex Method	
Yield	m^2/kg	19.90	Polypex Method	
Unit weight	g/m^2	50.40		
Density	g/cm^3	1.4		
Elongation at break	MD %	150	ASTM D-882	
	TD %	145		
Tensile strength	MD kg/cm^2	1900	ASTM D-882	
	TD kg/cm^2	2000		

Property	Units		Nominal	Method	Conditions
Thermal Properties					
Heat shrinkage	MD	%	1.6	ASTM D-1204	150 Deg. C/30 minutes
	TD	%	0.2		
Sealing temperature range	Deg.		130-220	Polyplex Method	
Seal Strength (HS-HS)	Gm/25mm		1200	Polyplex Method	140 Deg. 2 sec, 3.0 kg/cm ²
Surface Properties					
Co-efficient of friction (A/B) static			0.40	ASTM D-1894	
Co-efficient of friction (A/B) dynamic			0.32	ASTM D-1894	
Optical Properties					
Haze	%		1.9	ASTM D-1003	
Barrier Properties					
O2 Permeability	cm ³ /m ² /day		45	ASTM D-3985-95	23 Deg., 0% RH
WVTR	gm/m ² /day		10	ASTM F-1249	37.7 Deg., 90% RH

Standard Roll Presentation

Thickness μ	Core mm	Length m	outside diameter mm
36	76	3000	400
36	76	4500	480
36	152	6000	570
36	152	8000	650
36	152	12000	757

Disclaimer

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