



# POLYFILM

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

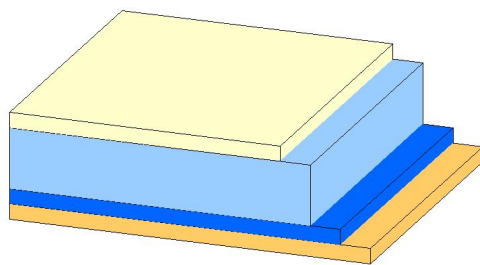
## Polyfilm Polyplex Polyester Films





### Type: HS101 Co extruded PET film 12my

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. The non heat sealable side is corona treated for better ink adhesion and lamination properties.

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
-  standard surface
-  corona treatment

### Treatment

HS101 = heat sealable inside, outside corona treated

HS110 = heat sealable outside, inside corona treated

### Typical Properties

Property	Units	Nominal	Method	Conditions
Mechanical Properties				
Nominal thickness	μ	12	Polyplex Method	
Yield	m <sup>2</sup> /kg	59.60	Polypex Method	
Unit weight	g/m <sup>2</sup>	16.80		

Property	Units		Nominal	Method	Conditions
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		
<b>Thermal Properties</b>					
Heat shrinkage	MD	%	2.0	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		500	Polyplex Method	140 Deg. 2 sec, 3.0 kg/cm <sup>2</sup>
<b>Surface Properties</b>					
Co-efficient of friction (A/B) static			0.52	ASTM D-1894	
Co-efficient of friction (A/B) dynamic			0.40	ASTM D-1894	
Surface tension (corona treated side)	dyne/cm		52	ASTM D-2578	
<b>Optical Properties</b>					
Haze	%		1.5	ASTM D-1003	
<b>Barrier Properties</b>					
WVTR	gm/m <sup>2</sup> /day		40	ASTM F-1249	37.7 Deg. 90% RH
O2 Permeability	cm <sup>3</sup> /m <sup>2</sup> /day		130	ASTM D 3985-95	23 Deg. 0% RH

## Disclaimer

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