



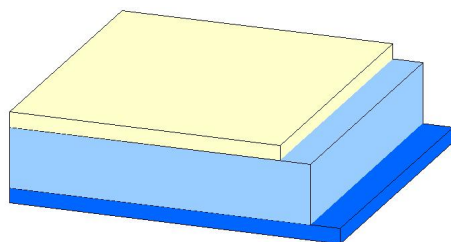
## Polyfilm Polyplex Polyester Films




### Type: HS100 Co extruded PET film 20my

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	$\mu$	20	Polyplex Method	
Yield	$m^2/kg$	35.80	Polypex Method	
Unit weight	$g/m^2$	28.0		
Density	$g/cm^3$	1.4		
Elongation at break	MD %	140	ASTM D-882	
	TD %	130		
Tensile strength	MD $kg/cm^2$	2000	ASTM D-882	
	TD $kg/cm^2$	2100		

Property	Units	Nominal	Method	Conditions
<b>Thermal Properties</b>				
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	900	Polyplex Method	140 Deg. 2 sec, 3.0 kg/cm <sup>2</sup>
<b>Surface Properties</b>				
Co-efficient of friction (A/B) static		0.46	ASTM D-1894	
Co-efficient of friction (A/B) dynamic		0.36	ASTM D-1894	
<b>Optical Properties</b>				
Haze	%	1.7	ASTM D-1003	
<b>Barrier Properties</b>				
WVTR	gm/m <sup>2</sup> /day	20	ASTM F-1249	37.7 Deg. 90% RH
O2 Permeability	cm <sup>3</sup> /m <sup>2</sup> /day	85	ASTM D 3985-95	23 Deg. 0% RH

## Disclaimer

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