



TECHNICAL DATA SHEET

HS100

Heat Sealable Film for Printing and Lamination

Description: **Flexipack HS100** is a both side heat sealable film, one side treated.

Product Features:

- Good sealing
- Good printing adhesion
- Good mechanical properties
- Good optical properties

Technical Specifications:

Properties			Unit	Tolerance	Typical Values						Test Method
Physical	Thickness		μ	+/- 5%	15	18	20	23	25	30	ASTM D 374
	Grammage		g/m ²	+/- 5%	13.7	16.4	18.2	20.9	22.8	27.3	FPIM
	Yield		m ² /kg	+/- 5%	73.2	61.1	54.9	47.8	43.9	36.6	FPIM
	Density		gm/cc	Range	0.905 - 0.910						FPIM
Optical	Haze		%	Maximum	2.2	2.5	2.5	2.7	3	3	ASTM D 1003
	Gloss @45deg		-	Minimum	85						ASTM D 2457
Surface	Wetting Tension		dynes	Minimum	38						ASTM D 2578
	Coefficient of Friction - Dynamic	UT/UT	-	Maximum	0.25		0.30				ASTM D 1894
Mechanical	Tensile Strength	MD	N/mm ²	Minimum	140						ASTM D 882
		TD	N/mm ²		280						
	Elongation @ Break	MD	%	Maximum	170						
		TD	%		50						
Thermal	Shrinkage @ 120C 5 minutes air	MD	%	Maximum	5						FPIM
		TD	%		2						
	Heat Seal Range		C	Range	105 - 140						FPIM
	Seal Strength @ 130C, 1 bar,1 sec		g/15mm	Minimum	275						FPIM

Note: MD- Machine Direction, TD- Transverse Direction, UT- Untreated, FPIM- Flexipack Instruction Manual

TREATMENT SIDE

HS100 can be supplied either with treatment on the inside surface (I) or Outside Surface (O) and the Customer choice should be agreed with our sales representative before processing the order.

CORE DIAMETER

Choice is between 152mm (6 inch) or 76mm (3 inch) Inside diameter of paper core and this should be agreed with our sales representative before processing the order.



ROLL DIMENSIONS:

Properties		Unit	Typical Values					
Dimensions	Thickness	μ	15	18	20	23	25	30
	Length (+/- 5%)	Meters	26000	21000	18500	16000	15000	12500
	Diameter (+/- 10%)	mm	725	715	710	710	710	710

PACKAGING:

Standard – Wrapped in two-ply corrugated sheet and stretch film. Palletized and strapped in quantity depending on roll dimension.

Special - Double stacked at two rolls per pallet with wooden side boards on both ends of the rolls. Entire pallet strapped and wrapped with stretch films.

STORAGE & HANDLING

Bi-axially oriented films age with time and will exhibit deterioration of some properties if not stored in a suitable environment at a temperature 30°C or below. We strongly advise our customers to use recommended storage condition, follow FIFO in usage and consume products before three months from date of delivery.

DISCLAIMER

The information contained in this technical data sheet only illustrates typical values and are to the best of our knowledge as of the date when the data is compiled. It is the responsibility of our customers to determine that their use of our products is safe, lawful, and technically suitable in their intended applications. The technical data sheets are provided for discussion purposes only. The customer may not rely on the data provided for any manufacturing purpose. The data is offered solely to provide possible suggestions for your own experimentation and not as a guarantee for the material supplied. The user is solely responsible for the end use of the product and needs to perform their own tests to confirm the product suitability/compatibility in all respects. Flexipack provides no warranty and accepts no liability for any loss or fitness of the product for any specific purpose based on the information contained in the technical data sheets. Flexipack reserves the right to change the technical data sheet at any time without prior notice.

FOR MORE INFORMATION PLEASE CONTACT:

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