

# F-HSP-U1

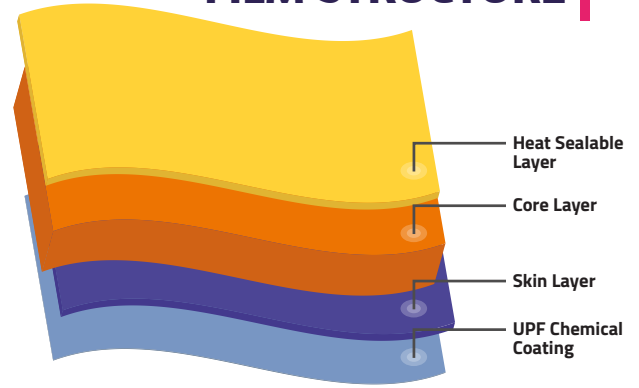
## CHEMICAL COATED HEAT SEALABLE FILM

F-HSP-U1 is a co-extruded BOPET film. The film is Heat Sealable on one side with the other side UPF Chemical Coated.

### KEY FEATURES:

- One side special modified heat seal functional surface has excellent heat seal strength
- Good handling properties with excellent metal adhesion
- Seals to itself, APET, CPET, & PVDC
- Does not seal against PE, PP, or PS

## FILM STRUCTURE



### APPLICATION:

- Lidding & Laminate
- Flexible Packaging
- Food tray applications

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES		
THICKNESS		Internal	Micron	12	20	23
			(Gauge)	48	80	92
YIELD		Internal	m <sup>2</sup> / kg	59.52	35.70	31.05
			in <sup>2</sup> / lb	41934	25159	21876
SURFACE TENSION (min) # (Chemical Coated Surface)		ASTM D-2578	dyne/cm	48		
COF (max) (One side to the other side)		ASTM D-1894	-	0.60	0.60	0.60
HAZE (max)		ASTM D-1003	%	4.0	4.5	5.0
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm <sup>2</sup>	1700	1600	1600
	TD			1900	2000	2000
	MD		(Psi)	24200	22700	22700
	TD			27000	28500	28500
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	115	120	120
	TD			85	90	90
LINEAR SHRINKAGE (max) (30 Minute at 150°C)	MD	ASTM D-1204	%	3.0		
	TD			1.0		
HEAT SEAL TEMP. RANGE		Internal	°C	110-200	120-200	120-200
SEAL STRENGTH (120°C, 1 sec, 2.8 bar)	FIN SEAL	ASTM D-882	gm/25mm	400	600	700
MVTR (38°C & 90% RH) (typical)		ASTM F-1249	gm/m <sup>2</sup> /day	45	35	30
			(gm/100 in <sup>2</sup> /day)	2.9	2.3	2.0
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m <sup>2</sup> /day	130	90	80
			(cc/100 in <sup>2</sup> /day)	8.5	5.8	5.2

# The inherent surface tension of the Untreated side of any PET film is a minimum of 42 dyne/cm.

### STORAGE & HANDLING

FLEXPET™ needs to be stored in a warehouse below 35°C (95°F) and should not be exposed to direct sunlight, bright light sources, or high humidity. If the material is stored in the recommended conditions, FLEXPET™ is suitable for use within 270 days from the date of shipment.

### FOOD CONTACT

FLEXPET™ complies with EU and FDA regulations on plastic materials used for food grade applications. Specific documents and SDS are available on request.

### DISCLAIMER

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