



R-HSP

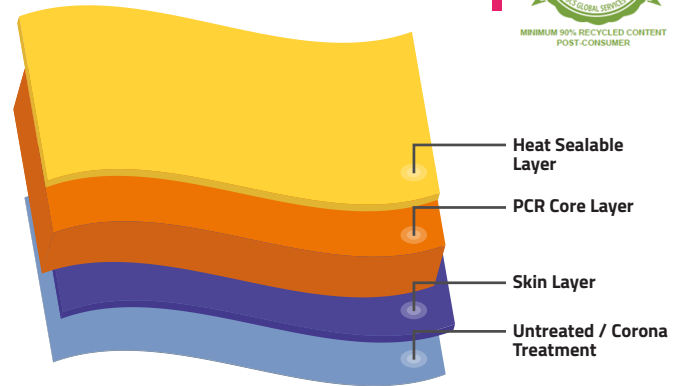
PCR BASED HEAT SEALABLE FILM

R-HSP is co-extruded transparent Heat Sealable polyester film from our Asclepius branded PCR content products. The film has a Heat Sealable Functional layer on one side and Untreated or Corona Treated on the other side. This Data Sheet applies to all PCR content levels (30, 50, 90, and 100%).

KEY FEATURES:

- Good optical properties
- Good machinability & handling properties
- Seals to itself, APET, CPET, & PVDC. Does not seal against PE, PP, or PS.
- Post Consumer Recycle content for a low carbon footprint (all % PCR)

FILM STRUCTURE



APPLICATION:

- Tack Seal application
- Printing & Lamination
- Food tray sealing
- Lids

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES			
THICKNESS	Internal	Micron	12	15	25	
		(Gauge)	48	60	100	
YIELD	Internal	m ² / kg	59.52	47.62	28.57	
		in ² /lb	41934	33550	20126	
SURFACE TENSION (min) # (Corona Treated Surface)	ASTM D-2578	dyne/cm	52			
COF (max) (Untreated to Sealable Functional Surface) (Corona to Sealable Functional Surface)	ASTM D-1894	-	0.50			
		-	0.55			
HAZE (max)	ASTM D-1003	%	4.0	4.5	4.5	
TENSILE STRENGTH AT BREAK (min)	MD	kg/cm ²	1700	1700	1600	
	TD		1900	1900	2000	
	MD	(Psi)	24200	24200	22700	
	TD		27000	27000	28500	
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	115	115	120
	TD			85	85	90
HEAT SEAL TEMP. RANGE	Internal	°C	110-200	110-200	120-200	
SEAL STRENGTH (120°C, 1 sec, 2.8 bar)	FIN SEAL	ASTM D-882	gm./25mm	400	500	750
LINEAR SHRINKAGE (max) (30 Minute at 150°C)	ASTM D-1204	%	3.0			
			1.0			
MVTR (38°C & 90% RH) (typical)	ASTM F-1249	gm/m ² /day	45	40	30	
		(gm/100 in ² /day)	2.9	2.4	2.0	
OTR (23°C & 0% RH) (typical)	ASTM D-3985	cc/m ² /day	130	115	80	
		(cc/100 in ² /day)	8.5	8.0	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

It is the responsibility of our customer 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 values provided in the technical data sheet represent typical values based on the best of our knowledge as of the date when the data was compiled. 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. Flex 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. Flex reserves the right to change the technical data sheet at any time without prior notice.

Ref. No: QAD UFLI S/20 - F 101/1

** TDS issued on 01-04-2020. All previous version of this grade are invalid.

FlexFilms

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