

R-HSP

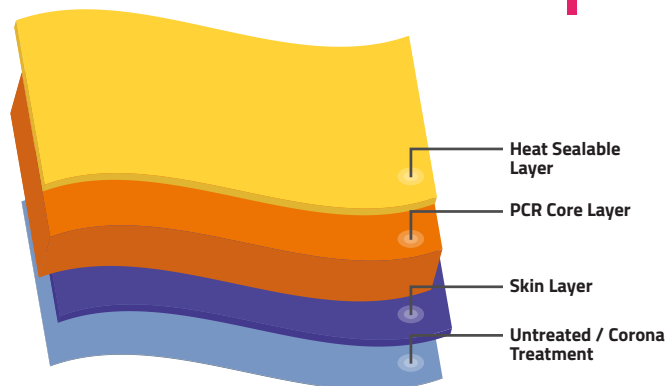
PCR BASED HEAT SEALABLE FILM

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	ASTM D-882	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

SELEXIBLE 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, SELEXIBLE is suitable for use within 270 days from the date of shipment.

FOOD CONTACT

SELEXIBLE 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. Selexible 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. Selexible reserves the right to change the technical data sheet at any time without prior notice.

Selexible

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