



# R-ESB

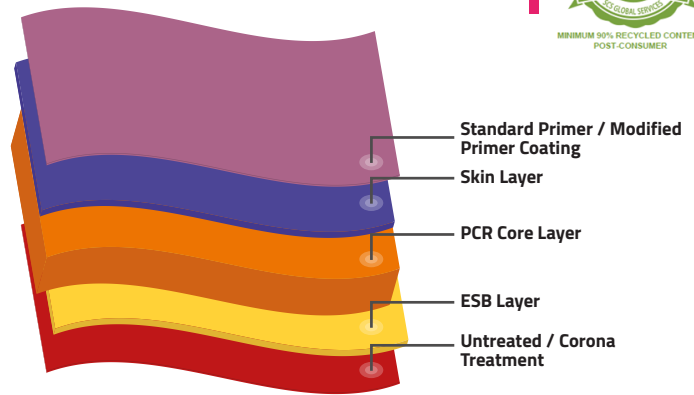
## PCR BASED EASY STACKABLE FILM

R-ESB is a transparent BOPET film. The film is either one side Untreated "Functional" surface or Corona treated with the other side being Standard Primer Coated or Modified Primer Coated. This Data Sheet applies to all PCR content levels (30, 50, 90, and 100%).

### KEY FEATURES:

- Excellent machinability & good handling properties
- Specially modified functional surface is designed to prevent stacked bags from slipping in storage or during palletization
- Post Consumer Recycle content for a low carbon footprint (all % PCR)

## FILM STRUCTURE



### APPLICATION:

- Printing & Lamination
- Easy stacking of bags & pouches

PROPERTIES	TEST METHOD	UNIT	TYPICAL VALUES		
THICKNESS	Internal	Micron	12	23	
		(Gauge)	48	92	
YIELD	Internal	m <sup>2</sup> / kg	59.52	31.08	
		in <sup>2</sup> / lb	41934	21876	
SURFACE TENSION (min) # (Modified Primer Coated Surface) (Corona Treated Surface) (Standard Primer Coated Surface)	ASTM D-2578	dyne/cm	52		
			52		
			40		
COF (max) (FL (UT) / FL (UT)) "High COF Surface" (AU/AU or AT/AT) (FL/AU or FL/AT)	ASTM D-1894	-	1.0	1.0	
			0.45	0.45	
			0.50	0.50	
HAZE (max)	ASTM D-1003	%	1.5	2.0	
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm <sup>2</sup>	1900	1900
	TD			2000	2000
	MD		(Psi)	27000	27000
	TD			28500	28500
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	105	115
	TD			85	90
LINEAR SHRINKAGE (max) (30 Minute at 150°C)	MD	ASTM D-1204	%	3.0	
	TD			1.0	
MVTR (38°C & 90% RH) (typical)	ASTM F-1249	gm/m <sup>2</sup> /day	45	30	
		(gm/100 in <sup>2</sup> /day)	2.9	2.0	
OTR (23°C & 0% RH) (typical)	ASTM D-3985	cc/m <sup>2</sup> /day	130	80	
		(cc/100 in <sup>2</sup> /day)	8.5	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.

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