

# R-UPF

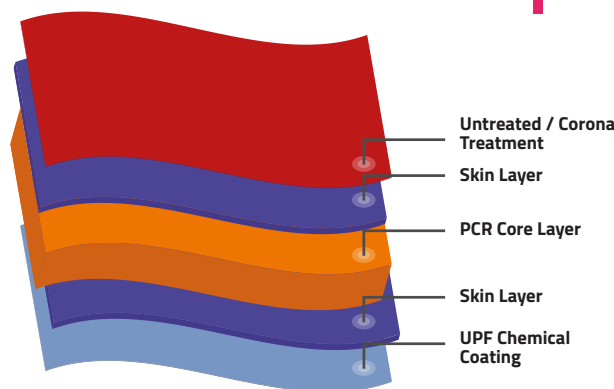
## UPF CHEMICAL COATED PCR BASED FILM

R-UPF is a transparent BOPET film. The film is one side UPF Chemical Coated with the other side being Untreated or Corona Treated. This Data Sheet applies to all PCR content levels (30, 50, 90, and 100%).

### KEY FEATURES:

- Excellent machinability & handling properties
- Excellent metal bond strength when metallized
- Corona treatment improves bonding
- Post Consumer Recycle content for a low carbon footprint (all % PCR)
- Modified surface provides excellent adhesion with various types of inks and adhesives.

## FILM STRUCTURE



### APPLICATION:

- Printing, Lamination, & Metallization
- Hot fill, Pasteurization, Sterilization, & Retort applications

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES			
THICKNESS		Internal	Micron	12	15	19	23
			(Gauge)	48	60	76	92
YIELD		Internal	m <sup>2</sup> / kg	59.52	47.62	37.59	31.05
			in <sup>2</sup> /lb	41934	33550	26483	21876
SURFACE TENSION (min) # (UPF Chemical Coated surface) (Corona Treated surface)		ASTM D-2578	dyne/cm	48			
				52			
COF (max) (UPF Chemical Coated to Untreated) (UPF Chemical Coated to Corona Treated)		ASTM D-1894	-	0.45	0.45	0.45	0.45
				0.45	0.45	0.45	0.45
HAZE (max)		ASTM D-1003	%	4.0	4.0	4.0	4.5
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm <sup>2</sup>	1900	1900	1900	1900
	TD			2000	2000	2000	2000
	MD		(Psi)	27000	27000	27000	27000
	TD			28500	28500	28500	28500
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	105	105	110	115
	TD			85	85	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	40	35	30
			(gm/100 in <sup>2</sup> /day)	2.9	2.6	2.3	2.0
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m <sup>2</sup> /day	130	110	90	80
			(cc/100 in <sup>2</sup> /day)	8.5	7.1	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

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

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**Selexible**

Manufacturing Facilities at No. 16  
 Fengxiang Rd, Wujin District,  
 Changzhou City, Jiangsu, China  
 ✉ sale@selexible.cn  
 www.selexibleplastic.com