

R-SLC

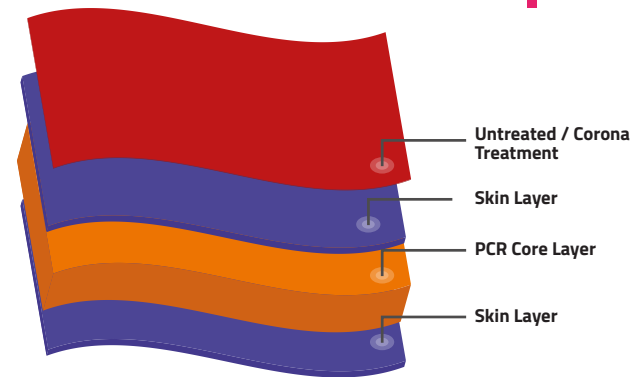
SILICONE COATABLE PCR BASED FILM

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

KEY FEATURES:

- High mechanical strength & durability
- Good clarity
- Excellent machinability properties
- Good thermal & dimensional stability
- Post Consumer Recycle content for a low carbon footprint (all % PCR)

FILM STRUCTURE



APPLICATION:

- This film grade is specially designed for silicon coating applications

PROPERTIES		TEST METHOD	UNIT	TYPICAL VALUES				
THICKNESS		Internal	Micron	19	23	30	36	50
			(Gauge)	72	92	120	144	200
YIELD		Internal	m ² / kg	37.59	31.05	23.80	19.84	14.28
			in ² /lb	26483	21876	16768	13978	10060
SURFACE TENSION (min) # (Corona side)		ASTM D-2578	dyne/cm	52				
COF (max) (Untreated to Untreated) (Untreated to Corona Treated)		ASTM D-1894	-	0.40	0.40	0.40	0.35	0.35
				0.40	0.40	0.40	0.40	0.40
HAZE (max)		ASTM D-1003	%	4.0	5.0	5.5	6.0	7.0
TENSILE STRENGTH AT BREAK (min)	MD	ASTM D-882	kg/cm ²	2100	2100	2100	2100	1900
	TD			2000	2000	2000	2000	2000
	MD		(Psi)	30000	30000	30000	30000	27000
	TD			28500	28500	28500	28500	28500
ELONGATION AT BREAK (min)	MD	ASTM D-882	%	110	115	120	125	125
	TD			90	90	90	90	95
LINEAR SHRINKAGE (max) (30 Minute at 150°C)	MD	ASTM D-1204	%	3.0				
	TD			0.0				
MVTR 38°C & 90% RH) (typical)		ASTM F-1249	gm/m ² /day	35	30	25	20	16
			(gm/100 in ² /day)	2.3	2.0	1.6	1.3	1.0
OTR (23°C & 0% RH) (typical)		ASTM D-3985	cc/m ² /day	90	80	75	70	45
			(cc/100 in ² /day)	5.8	5.2	4.8	4.5	2.9

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

STORAGE & HANDLING

MOISTURE SENSITIVITY: TRANSVERSE DIRECTION

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.

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