

FLEXPET™ ASCLEPIUS R-PAP

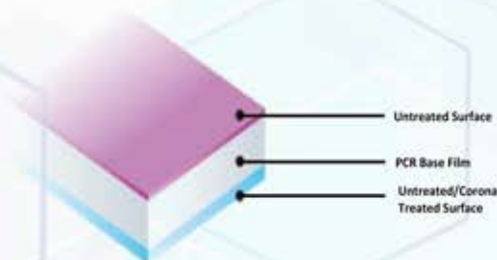
- R-PCR is a transparent polyester film
- The film is one side Corona Treated with one side Untreated or both sides Untreated

Applications:

- Flexible packaging
- Solvent & Water based coating

Key Features:

- High clarity
- Corona treatment improves bonding
- Excellent surface & good handling properties
- Excellent dimensional stability & machinability
- Post Consumer Recycle content for a low carbon footprint

Film Structure

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUES						
THICKNESS		Internal	Micron	12	15	19	23	30	36	50
			(Gauge)	48	60	76	92	120	92	200
YIELD			m²/kg	59.52	47.62	37.59	31.05	23.80	31.05	14.28
			in²/lb.	41934	33550	26483	21876	16768	21876	10060
SURFACE TENSION (range) (Corona Treated surface)		D-2578	Dyne/cm	52-64						
COF (max) (Untreated to Untreated) (Untreated to Corona Treated)		D-1894	-	0.50	0.50	0.50	0.45	0.40	0.40	0.40
HAZE (max)		D-1003	%	4.0	4.0	4.5	4.5	5.0	5.0	5.5
TENSILE STRENGTH AT BREAK (min)	MD	D-882	Kg/cm²	1900	1900	1900	1900	1900	1750	1750
	TD			2000	2000	2000	2000	2000	2000	2000
	MD		(Psi)	27000	27000	27000	27000	27000	25000	25000
	TD			28500	28500	28500	28500	28500	28500	28500
ELONGATION AT BREAK (min)	MD		%	105	105	110	115	115	120	125
	TD			85	85	85	90	90	90	95
LINEAR SHRINKAGE (max) (30 Minute at 150°C)		D-1204	%	3.0 1.0						
MVTR (max) (38°C & 90%RH)		F-1249	gm/m²/day	45	40	35	30	25	20	16
			(gm/100in²/day)	2.9	2.6	2.3	2.0	1.6	1.3	1.0
OTR (max) (23°C & 0%RH)		D-3985	cc/m²/day	130	110	90	80	75	70	45
			(cc/100in²/day)	8.5	7.1	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

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 9 months from the date of manufacturing.

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 customers to determine that their use of our product(s) is safe, lawful, and technically suitable in their intended applications. The values given in the technical data sheet represent typical values based on the best of our knowledge on the date when the data was compiled. It 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 Films (USA) Inc. gives no warranty nor accepts liability for any loss and fitness of the product for any specific purpose. Flex reserves the right to change the technical data sheet at any time for enhancing the quality of the products without prior information.