



CONTRACT PACKAGING OF LIQUIDS AND CREAMS COMPANY INC.

UPRP1 TECHNICAL DATA SHEET

UPRP1 is a 6 mil composite designed for high barrier applications. It provides a weld seal to itself and can be pressure formed for three-dimensional applications. The oxygen barrier is provided by a layer of EVOH encapsulated within two moisture barrier polyolefins.

Key performance Characteristics

- Weld seals to itself on both sides
- Good oxygen barrier
- Excellent puncture resistance
- Good moisture barrier
- FDA approved for direct food contact
- Good aroma barrier
- Can be pressure formed
- Suitable for radiation sterilization
- Microbial barrier
- Good stiffness for easy processing

		ENGLISH	UNITS	METRIC	UNITS
PROPERTY	TEST METHOD	VALUE	UNITS	VALUE	UNITS
YIELD		4790	IN ² /LB	6.81	M ² /KG
BASIS WEIGHT		90.2	LB/REAM	147	G/M ²
GAUGE	ASTM D374	0.0060	IN	152	um
TENSILE STRENGTH (ULTIMATE)	ASTM D882	3500	PSI, MD	24	MPa, MD
		3500	PSI, TD	24	MPa, TD
MAXIMUM FORCE	ASTM D882	21	lb/in, MD	55	N/15mm, MD
		21	lb/in, TD	55	N/15mm, TD
ELONGATION AT BREAK	ASTM D882	330	%	330	%
		100		100	
O ₂ TR	ASTM D3985	0.05	cc/100 in ² /day	0.8	cc/m ² /day
WV TR	ASTM F1249	0.05	g/100 in ² /day	0.8	g/m ² /day