



UmaPET Polyester Film

Technical Data Sheet

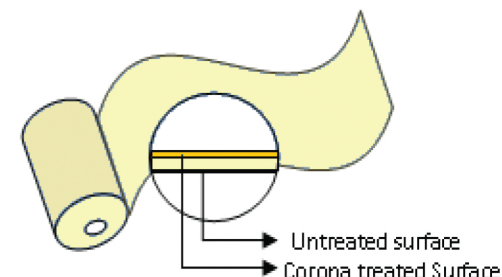
ER-UMA-WHCO_WHCI-CRNO2-
IN-&-OUT-WHITE-OPAQUE-PET

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UmaPET- WHCO/WHCI (WHCO- Corona treated outside/WHCI- Corona treated inside White Opaque Polyester film)

The product is one side corona treated white opaque film. It has high opacity and high whiteness. Corona treated surface provides enhanced adhesion to inks and coatings. Excellent flatness, good dimensional stability at high temperatures and exhibits good process ability. This grade film is complies with US FDA, EC and REACH regulations for food contact application.

Key features: Labels, Tickets, Prepaid cards, security and access cards high quality replacement for paper as a backing in blister packs, stationary and other industrial and packaging applications.



Product properties:

Property			Test Method	Unit	Typical Value					
Physical	Thickness		Internal	μ	12	23	30	36	46	50
				gauge	48	92	120	144	184	200
	GSM		Internal	gm/m2	17.0	32.2	42	50.4	64.4	70
				m2/kg	59.5	31	23.8	19.8	15.3	14.3
Mechanical	Yield		Internal	ft2/lb	291	152	116	97	75	70
	Tensile Strength	MD	ASTM D-882	Kg/cm2	1600	1600	1600	1500	1500	1500
		TD			1700	1700	1700	1600	1600	1600
		MD	ASTM D-882	lb/in2	22700	22700	22700	21300	21300	21300
		TD			24100	24100	24100	22700	22700	22700
Surface	Elongation	MD	ASTM D-882	%	100	110	110	140	140	140
		TD			80	90	90	80	80	80
	Co-efficient of friction (Std. Vs Functional)	St	ASTM D-1894	-	0.44	0.44	0.44	0.44	0.44	0.44
		Dy			0.38	0.38	0.38	0.38	0.38	0.38
	Wetting tension	Treated surface*	ASTM D-2578	Dyne/ cm	56	56	56	56	56	56
Optical	Opacity		ASTM-D-2457	%	60	75	80	85	87	90
	Gloss @60°		ASTM-D-2457	%	45	45	45	45	45	45
Thermal	Shrinkage @ 150°C and 30 minutes	MD	ASTM D-1204	%	2.0	2.0	2.0	2.0	2.0	2.0
		TD			0.0	0.0	0.0	0.0	0.0	0.0

MD- Machine Direction; TD- Transverse Direction, (*Note: The corona treatment value can change as per customer requirements)

The information contained herein is to be used only as a guideline for using Uma PET film. The specifications and characteristics mentioned are based on reliable test procedures. Users of this film should make independent assessment by their own for its suitability to their end use. Ester Industries Ltd does not offer any guarantee on the results and does not accept any liability arising out of the use of the information contained herein.