

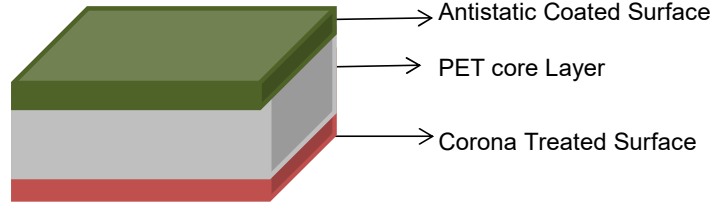


# Technical Data Sheet

## ARYAFILM - A444



ARYAFILM A444 is one side antistatic coated and other side corona treated fold retainable polyester film , this film is suitable for candy wrapping application.



Sr. No.	Properties	Unit	Test Method	Target	Minimum	Maximum
<b>General</b>						
1	Thickness	Micron	JBF Method	18.0	17.64	18.36
		Gauge		72.00	70.56	73.44
2	Yield	M <sup>2</sup> /Kg	JBF Method	39.68	38.90	40.49
3	Density	gm/cc	ASTM D 1505	1.395		
4	Roll width	mm	JBF Method	- 0 , + 3		
<b>Mechanical</b>						
1	Tensile Strength at break	MD/TD	ASTM D 882	2200	2000	2400
				Kg/cm <sup>2</sup> (Kpsi)	31.3	28.4
2	Elongation at break	MD	ASTM D 882	130	90	170
		TD		120	80	160
3	Co-efficient of friction (One to Other side)	Static	ASTM D 1894	0.45	0.35	0.55
		Dynamic		0.40	0.30	0.50
<b>Thermal</b>						
1	Shrinkage @ 150 <sup>o</sup> C/30'	MD	ASTM D 1204	30.0	25.0	35.0
		TD		35.0	30.0	40.0
2	Melting Point	<sup>o</sup> C	DSC	252	250	255
<b>Optical</b>						
1	Haze	%	ASTM D 1003	4.0	3.0	5.0
2	Transmittance	%	ASTM D 1003	88.0	85.0	91.0
<b>Surface treatment level</b>						
1	Antistatic Coated Side	Dyne/cm	ASTM D 2578	54	52	56
2	Corona Treated side	Dyne/cm	ASTM D 2578	52	50	54
<b>Barrier</b>						
1	W.V.T.R. (38 <sup>o</sup> C & 90% RH)	gm/m <sup>2</sup> /day	ASTM F 1249	28	18	38
		gm/100in <sup>2</sup> /day		1.81	1.16	2.45
2	O.T.R. (23 <sup>o</sup> C & 0%RH)	cc/m <sup>2</sup> /day	ASTM D 3985	80	60	100
		cc/100in <sup>2</sup> /day		5.16	3.87	6.45

MD = Machine Direction, TD = Transverse Direction

Storage & Handling: ARYA FILM need to be stocked in a closed warehouse & should not be exposed to direct sun light or light sources. Avoid extreme of humidity and heat. It is recommended to store below 40<sup>o</sup>C in dry places in original packing & shelf life of above product is Six Months from date of Invoice.

**Food Contact:** ARYA FILM complies with EU10/2011 and US FDA regulations, Specific document and MSDS are available on request.

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