

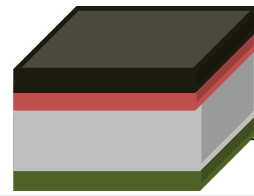


# Technical Data Sheet

## ARYAFILM AM444



ARYAFILM AM444 is fold retainable Metalized on corona treated polyester film other side Antistatic chemically coated suitable for candy wrapping applications, especially for excellent gloss & barrier properties



Metalized surface  
Corona treated side  
PET core Layer  
Antistatic Surface

Sr. No.	Properties	Unit	Test Method	Target	Minimum	Maximum		
<b>General</b>								
1	Thickness	Micron	JBF Method	18.00	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		
<b>Mechanical</b>								
1	Tensile Strength at break	MD/TD	Kg/cm <sup>2</sup> (Kpsi)	ASTM D 882	2200	2000	2400	
					31.3	28.4	34.1	
2	Elongation at break	MD	%	ASTM D 882	130	90	170	
		TD			120	80	160	
3	Co-efficient of friction One side to Other side	Static	--	ASTM D 1894	0.60	0.50	0.70	
		Dynamic			0.55	0.45	0.65	
<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>Surface treatment level</b>								
1	Antistatic Surface	Dynes/cm	ASTM D 2578	52	50	54		
<b>Barrier</b>								
Optical Density			M.V.T.R. (ASTM F 1249)			O.T.R. (ASTM D 3985)		
(JBF Method)			gm/m2/day (38°C 90%RH)			cc/m2/day (23°C 0 %RH)		
Target	Minimum	Maximum	Target	Minimum	Maximum	Target	Minimum	Maximum
2.2	2.0	2.4	0.9	0.7	1.1	1.0	0.8	1.2
2.5	2.3	2.7	0.7	0.5	0.9	0.8	0.6	1.0
2.8	2.6	3.0	0.5	0.3	0.7	0.6	0.4	0.8
3.0	2.8	3.2	0.3	0.2	0.5	0.4	0.2	0.6

MD = Machine Direction, TD = Transverse Direction

To convert from m2/day to 100 inch2/day divide the m2 result by 15.5 ,

**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°C in dry places in original packing & shelf life of above product is six month from the date of invoice.

**Food Contact:** ARYA FILM complies with EC and FDA regulations on packaging for indirect contact with foodstuffs. Specific document and MSDS are available on request.

**Disclaimer:** The information given above is to the best of our knowledge and experience. Some of the properties can be changed as a result of suppliers' efforts to improve upon the quality or production efficiency of the subject. The information is believed to be true and accurate and is not intended to violate any statutory condition or right of a third party. JBF makes no warranty, express or implied, as to the fitness of the product for any specific use or purpose. The above data is purely for readers' consideration, investigation and verification and should be read in conjunction with the conditions for sale or contract.