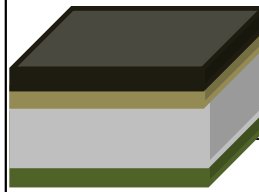




# Technical Data Sheet ARYAFILM AM403



ARYAFILM AM403 is Metalized on plain side other side acrylic coated polyester film ,this film is suitable for flexible packaging applications, especially for excellent gloss & barrier properties.



→ Metalized surface  
→ Plain Surface  
→ PET core Layer  
→ Acrylic coated surface

Sr. No.	Properties	Unit	Test Method	Target	Minimum	Maximum		
<b>General</b>								
1	Thickness	Micron	JBF Method	12.00	11.64	12.36		
		Gauge		48.00	46.56	49.44		
2	Yield	M <sup>2</sup> /Kg	JBF Method	59.52	57.79	61.36		
<b>Mechanical</b>								
1	Tensile Strength at break	MD/TD	Kg/cm <sup>2</sup> (Kpsi)	ASTM D 882	2000	1800	2200	
					28.4	25.6	31.3	
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	
4	Metal Bond Strength	gm/25 mm	TP-105-92	200	150	250		
<b>Thermal</b>								
1	Shrinkage @ 150 <sup>o</sup> C/30'	MD	%	ASTM D 1204	2.0	1.4	2.6	
		TD			0.4	0.0	0.8	
2	Melting Point	<sup>o</sup> C	DSC	252	250	255		
<b>Surface treatment level</b>								
1	Acrylic coated surface	Dynes/cm	ASTM D 2578	40	38	42		
<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)		
<b>Target</b>	<b>Minimum</b>	<b>Maximum</b>	<b>Target</b>	<b>Minimum</b>	<b>Maximum</b>	<b>Target</b>	<b>Minimum</b>	<b>Maximum</b>
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.

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