

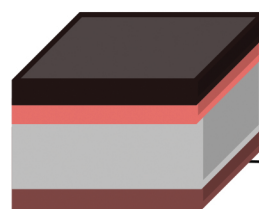


Technical Data Sheet

ARYAFILM AM403

ARYAFILM

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	
General								
1	Thickness		Micron	PHC Method	12.00	11.64	12.36	
			Gauge		48.00	46.56	49.44	
2	Yield		M ² /Kg	PHC Method	59.52	57.79	61.36	
Mechanical								
1	Tensile Strength at break	MD/TD	Kg/cm ²	ASTM D 882	2100	1900	2300	
			(Kpsi)		29.9	27.0	32.7	
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	
Thermal								
1	Shrinkage @ 150 ⁰ C/30’	MD	%	ASTM D 1204	2.0	1.4	2.6	
		TD			0.4	0.0	0.8	
2	Melting Point		⁰ C	DSC	252	250	255	
Surface treatment level								
1	Acrylic coated surface		Dynes/cm	ASTM D 2578	40	38	42	
Barrier								
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	0.1	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.

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. PHC 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.

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TDS No : PHC/TDS/M-114

Revision: 07

Date : 05-APRIL-2024