

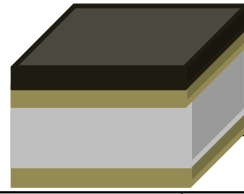


Technical Data Sheet

ARYAFILM AM499

ARYAFILM

ARYAFILM AM499 is Isotropic Metalized polyester film suitable for lidding applications , Metallized on corona, plain & chemical as per customer requirement



Metalized surface
Plain/Corona /Chemical Surface
PET core Layer
Standard Surface

Sr. No.	Properties		Unit	Test Method	Target	Minimum	Maximum	
General								
1	Thickness		Micron	JBF Method	12.00	11.64	12.36	
			Gauge		48.00	46.56	49.44	
2	Yield		M ² /Kg	JBF Method	59.52	57.79	61.36	
Mechanical								
1	Tensile Strength at break	MD/TD	Kg/cm ²	ASTM D 882	2000	1800	2200	
			(Kpsi)		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	
5	Ratio of Tensile Strength (+45°/-45°)		--	JBF Method	1.00	0.66	1.50	
6	Ratio of Elongation (+45°/-45°)		--	JBF Method	1.00	0.50	2.00	
Thermal								
1	Shrinkage @ 150° C/30'	MD	%	ASTM D 1204	2.0	1.4	2.6	
		TD			0.4	0.0	0.8	
2	Melting Point		°C	DSC	252	250	255	
Surface treatment level								
1	Standard Surface		Dynes/cm	ASTM D 2578	44	42	46	
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	0.2	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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