

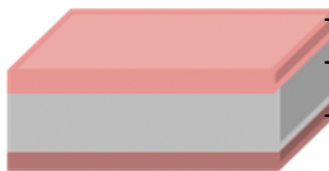


Technical Data Sheet

ARYALOX – AX410



ARYALOX- AX410 one side Alox metalized other side plain Polyester film. The PET surface is to provide a clear, exceptionally high barrier property, for flexible packaging applications.



Alox Metalized surface

Transparent PET core

Standard surface

Sr. No.	Properties		Unit	Test Method	Typical Values		
General							
1	Thickness		Micron (Gauge)	PHC Method	12 (48)	15 (60)	23 (92)
2	Yield		M ² /Kg	PHC Method	59.52	47.62	31.06
3	Density		gm/cc	ASTM D 1505	1.4	1.4	1.4
Mechanical							
1	Tensile Strength at break	MD	Kg/cm ² (Kpsi)	ASTM D 882	2100 (29.8)	2100 (29.8)	2000 (29.8)
		TD			2200 (31.2)	2200 (31.2)	2100 (29.8)
2	Elongation at break	MD	%	ASTM D 882	120	120	120
		TD			110	110	110
3	Co-efficient of friction	Static	--	ASTM D 1894	0.55	0.55	0.55
		Dynamic			0.50	0.50	0.50
Thermal							
1	Shrinkage @150 ⁰ C/30'	MD	%	ASTM D 1204	2.0	2.0	2.0
		TD			0.4	0.4	0.4
2	Melting Point		⁰ C	DSC	255	255	255
Optical							
1	Haze		%	ASTM D 1003	2.5	2.5	2.5
Barrier Properties							
1	M.V, T.R 38 ⁰ C 90%RH		gm/m ² /day gm/100in ² /day	ASTM F 1249	≤ 1.0 0.06		
2	O.T.R 23 ⁰ C 50 %RH		cc/m ² /day cc/100in ² /day	ASTM F 1927	≤ 1.2 0.07		
Physical							
1	Roll Length		Meter	PHC Method	≤12000		
2	Width		mm	PHC Method	-0, +3		
3	Splice		--	PHC Method	Max. 10% roll with one splice		

MD = Machine Direction, TD = Transverse Direction

Storage & Handling: ARYALOX need to be stocked in a closed warehouse & should not be exposed to direct sun light or light sources. Avoid extreme humidity and heat. It is recommended to store below 40°C in dry places in original packing.

Food Contact: ARYALOX 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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