

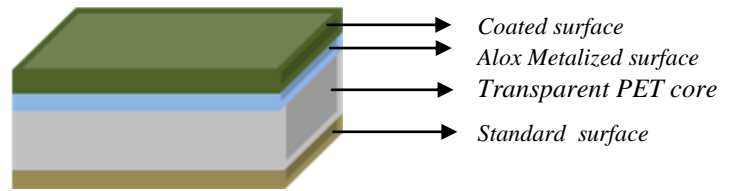


Technical Data Sheet

ARYALOX - AQ410



ARYALOX AQ 410 Top coated on Alox Metalized side other side plain Polyester film. , exceptionally high barrier & Printable for flexible packaging applications



Sr.No.	Properties	Unit	Test Method	Nominal value	Minimum	Maximum	
General							
1	Thickness	Micron (Gauge)	JBF Method	12 (48)	11.7 (46.8)	12.3 (49.2)	
2	Yield	M ² /Kg	JBF Method	59.52	58.07	61.05	
3	Density	gm/cc	ASTM D 1505	1.395			
Mechanical							
1	Tensile Strength at break MD / TD	MD/TD	Kg/cm ² (Kpsi)	ASTM D 882	2100 (29.8)	1900 (27.0)	2300 (32.7)
2	Elongation at break	MD TD			ASTM D 882	120 110	90 80
3	Co-efficient of friction one side to other side.	Static Dynamic	--	ASTM D 1894	0.50 0.45	0.40 0.35	0.60 0.55
Thermal							
1	Shrinkage @ 150° C/30'	MD TD	%	ASTM D 1204	1.8 0.4	1.4 0.0	2.2 0.8
2	Melting Point				°C	DSC	255
Optical Properties							
1	Haze		%	ASTM D 1003	2.5	2.0	3.0
Surface Treatment level							
1.	Surface tension	Chemical coated side	Dyne/cm	ASTM D 2578	42	40	44
		Plain side (after alox)	Dyne/cm	ASTM D 2578	54	52	56
Barrier Properties							
1	M.V, T.R 38° C 90%RH		gm/m ² /day gm/100in ² /day	ASTM F 1249	≤ 4.0 0.24		
2	O.T.R 23° C 50 %RH		cc/m ² /day cc/100in ² /day	ASTM F 1927	≤ 5.0 0.30		
Physical							
1	Roll Length		Meter	JBF Method	≤12000		
2	Width		mm	JBF Method	-0, +3		
3	Splice		--	JBF Method	Max. 10% roll with one splice		

Remark : Top coating on Alox is suitable for printing .To identify the difference between Top coating side and plain side, Ink adhesion method is preferred. Ink adhesion test pass on chemical side while on Plain side adhesion test fail using scotch tape.

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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