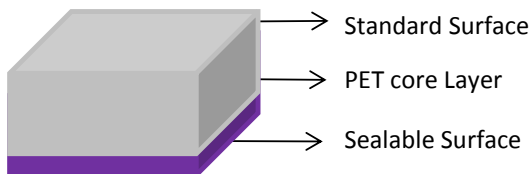


ARYAFILM A500 is co extruded one side heat sealable film, Heat sealable layer is designed to heat seal to itself or APET, CPET, PVC etc suitable for flexible packaging & dual oven able,



Sr. No.	Properties	Unit	Test Method	Target	Minimum	Maximum
General						
1	Thickness	Micron	JBF Method	12	11.64	12.36
		Gauge		48	46.56	49.44
2	Yield	M ² /Kg	JBF Method	59.52	57.79	61.36
3	Density	gm/cc	ASTM D 1505	1.395		
4	Service Temp	°C	JBF Method	-70 to 150		
Mechanical						
1	Tensile Strength at break	MD/TD	ASTM D 882	2100	1900	2300
				(Kpsi)	29.9	27.0
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	0.50	0.40	0.60
		Dynamic		0.45	0.35	0.55
4	Heat Seal Strength	gm/25mm	JBF Method	350	250	550
Thermal						
1	Shrinkage @ 150 ^o C/30'	MD	ASTM D 1204	1.8	1.2	2.4
		TD		0.4	0.0	0.8
2	Melting Point	°C	DSC	252	250	255
Optical						
1	Haze	%	ASTM D 1003	3.5	2.5	4.5
2	Transmittance	%	ASTM D 1003	88	85	91
Surface treatment level						
1	Plain side	Dynes/cm	ASTM D 2578	44	42	46
2	Sealable side	Dynes/cm	ASTM D 2578	46	44	48
Barrier						
1	W.V.T.R. (38°C & 90% RH)	gm/m ² /day	ASTM F 1249	40	30	50
		gm/100in ² /day		2.58	1.94	3.23
2	O.T.R. (23°C & 0%RH)	cc/m ² /day	ASTM D 3985	100	80	120
		cc/100in ² /day		6.45	5.16	7.74

MD = Machine Direction, TD = Transverse Direction

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 EU10/2011 and US FDA regulations, 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. JBF 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