

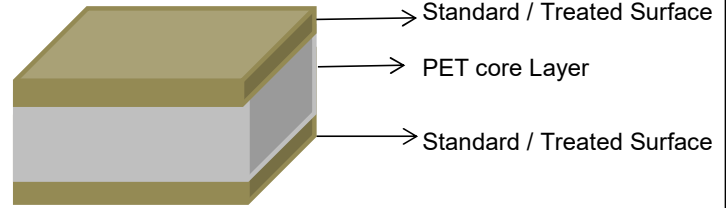


Technical Data Sheet

ARYAFILM - A499



ARYAFILM A499 is bi-axially oriented isotropic transparent polyester film ,this film is Suitable for lidding application for dairy products. (Coating or corona as per requirement)



Sr. No.	Properties	Unit	Test Method	Target	Minimum	Maximum
General						
1	Thickness	Micron	JBF Method	12.0	11.64	12.36
		Gauge		48.00	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	Roll width	mm	JBF Method	- 0 , + 3		
Mechanical						
1	Tensile Strength at break	MD/TD	ASTM D 882	2000	1800	2200
				(Kpsi)	28.4	25.6
2	Elongation at break	MD	ASTM D 882	130	90	170
		TD		120	80	160
3	Co-efficient of friction (One to Other side)	Static	ASTM D 1894	0.45	0.35	0.55
		Dynamic		0.40	0.30	0.50
4	Ratio of Tensile Strength(+45°/-45°)	--	JBF Method	1.0	0.66	1.5
5	Ratio of Elongation (+45°/-45°)	--	JBF Method	1.0	0.50	2.0
Thermal						
1	Shrinkage @ 150 ⁰ C/30'	MD	ASTM D 1204	1.6	1.2	2.0
		TD		0.4	0.0	0.8
2	Melting Point	⁰ C	DSC	252	250	255
Optical						
1	Haze	%	ASTM D 1003	3.5	2.5	4.5
2	Transmittance	%	ASTM D 1003	88.0	85.0	91.0
Surface treatment level						
1	Both side	Dyne/cm	ASTM D 2578	44	42	46
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 & shelf life of above product is One year from date of Invoice.

Food Contact: ARYA FILM complies with EU10/2011 and US FDA regulations, Specific document and MSDS are available on request.

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