

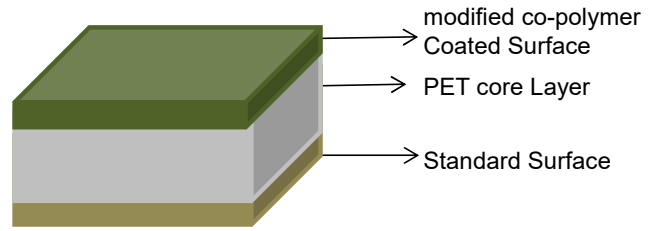


Technical Data Sheet

ARYAFILM - A425



ARYAFILM A425 is one side modified co-polymer coated polyester film, this film is suitable for flexible packaging application where in it is required to resist sterilization in hot water or steam. The pre-treatment provides very good adhesion to solvent based printing inks and laminating adhesives.



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
				Kg/cm ² (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
Thermal						
1	Shrinkage @ 150 ^o C/30'	MD	ASTM D 1204	1.6	1.2	2.0
		TD		0.4	0.0	0.8
2	Melting Point	^o 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	Chemical Coated Side	Dyne/cm	ASTM D 2578	52	50	54
2	Plain side	Dyne/cm	ASTM D 2578	44	42	46
Barrier						
1	W.V.T.R. (38 ^o 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 ^o 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^oC 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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