

# Technical Specification

## ARYAPET – A111

ARYAPET A111 Super Clear Film with Antistatic coating is suitable for Montage application.

(One side or both sides coating as per requirement.)

Sr. No.	Properties		Unit	Test Method	Typical Values					
General										
1	Thickness	Micron (Gauge)	JBF Method	50 (200)	75 (300)	100 (400)	125 (500)	175 (700)	188 (752)	
2	Yield	M <sup>2</sup> /Kg	JBF Method	14.3	9.52	7.14	5.71	4.08	3.80	
3	Density	gm/cc	ASTM D 1505	1.4	1.4	1.4	1.4	1.4	1.4	
Mechanical										
1	Tensile Strength at break	MD	Kg/cm <sup>2</sup> (ksi)	ASTM D 882	1900 (27.0)	1900 (27.0)	1800 (25.5)	1800 (25.5)	1800 (25.5)	1800 (25.5)
		TD			2000 (28.4)	2000 (28.4)	1900 (27.0)	1900 (27.0)	1900 (27.0)	1900 (27.0)
2	Elongation at break	MD	%	ASTM D 882	110	110	110	120	120	130
		TD			100	100	100	110	110	120
3	Co-efficient of friction	Static	--	ASTM D 1894	0.35	0.35	0.35	0.35	0.35	0.35
		Dynamic			0.30	0.30	0.30	0.30	0.30	0.30
Thermal										
1	Shrinkage @ 150 <sup>0</sup> C/30'	MD	%	ASTM D 1204	2.0	2.0	2.0	2.0	2.0	2.0
		TD			1.0	1.0	1.0	1.0	1.0	1.0
2	Melting Point	°C	DSC	255	255	255	255	255	255	255
Optical										
1	Haze	%	ASTM D 1003	1.0	1.0	1.0	1.2	1.2	1.2	1.2
2	Light Transmittance	--	ASTM D 1003	91	91	91	90	90	90	90
Electrical										
1	Surface Resistivity	Ohm	ASTM D 257	10 <sup>10</sup>						

MD = Machine Direction, TD = Transverse Direction

### Storage & Handling

ARYA PET need to be stocked in a closed warehouse & should not be exposed to the direct sun light or light sources, Avoid extremes of humidity, It is recommended to store below 40°C in dry places

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