

Technical Specs. : 10 Mic PET

Sr.No.	Property	Unit	Test Method	Standards
General				
1	Thickness	Micron	KME Method	10
2	Yield	M ² /Kg	KME Method	71.4
3	MVTR	g/m ² /24hr	38°C 90%RH	42
4	Oxygen Permeability	cc ² /24hr	23°C 65% RH	100
5	Density	gm/cc	ASTM-D-1505	1.4
6	Wetting tension	Dyne/cm	ASTM D 2578	54
	(Treated side)			
Mechanical				
1	Tensile Strength at break (MD/TD)	Kg/cm ²	ASTM-D-882	1900
2	Elongation (MD/TD)	%	ASTM-D-882	90
3	Slip(COF)	--	ASTM-D-1894	0.5
Optical				
1	Haze	%	ASTM-D-1003	3.5
2	Total Luminous Transmission	%	ASTM-D-1003	86
Thermal				
1	Shrinkage @ 150 ° C 30min		ASTM D 1204	
	MD	%		2
	TD	%		1
2	Melting Point	°C	DSC	255
Roll				
1	Width - Max	mm	KME Method	1005
2	Standard Length - Min	Mtrs	KME Method	18000
3	Standard Length - Max	Mtrs	KME Method	24000

MD - Machine Direction

TD - Transverse Direction

Technical Specs : 12 mic PET

Sr.No.	Property	Unit	Test Method	Standards
General				
1	Thickness	Micron	KME Method	12
2	Yield	M ² /Kg	KME Method	59.5
3	MVTR	g/m ² /24hr	38°C 90%RH	40
4	Oxygen Permeability	cc ² /24hr	23°C 65% RH	96
5	Density	gm/cc	ASTM-D-1505	1.4
6	Wetting tension	Dyne/cm	ASTM D 2578	54
	(Treated side)			
Mechanical				
1	Tensile Strength at break (MD/TD)	Kg/cm ²	ASTM-D-882	1900
2	Elongation (MD/TD)	%	ASTM-D-882	90
3	Slip(COF)	--	ASTM-D-1894	0.5
Optical				
1	Haze	%	ASTM-D-1003	3.5
2	Total Luminous Transmission	%	ASTM-D-1003	86
Thermal				
1	Shrinkage @ 150 ° C 30min		ASTM D 1204	
	MD	%		2
	TD	%		1
2	Melting Point	°C	DSC	255
Roll				
1	Width - Max	mm	KME Method	1005
2	Standard Length - Min	Mtrs	KME Method	18000
3	Standard Length - Max	Mtrs	KME Method	24000

MD - Machine Direction

TD - Transverse Direction

Technical Specs .: 12mic MET PET

Sr.no.	Property	Unit	Test Method	Standards
	<u>General</u>			
1	Thickness	Micron	KME Method	12
2	Yield	M ² /Kg	KME Method	56.7 to 62.6
3	MVTR	gm/m ² /24hrs	ASTM-E-96 38° C 90%RH	1
4	Oxygen Transmission Rate	cc/m ² /24 hrs	ASTM-D1484 38°C 45%RH	Less than 1
	<u>Mechanical</u>			
1	Tensile strength (MD / TD)	Kg / mm ²	ASTM-D-882	Minimum 18
2	Elongation at break (MD / TD)	%	ASTM-D-882	Minimum 80
3	Tear Strength	gm	ASTM-D-1922	9-Jul
4	Surface Tension	Dynes/cm	ASTM-D-2578	Mettalised side 54(Min) Unmetallised side 40(Min)
	<u>Optical</u>			
1	Optical density	---	KME Method	2 to 2.3
	<u>Thermal</u>			
1	Thermal Shrinkage@ 150° C 30 min		ASTM-D-1204	
a	MD	%		2(Max)
b	TD	%		2(Max)
	<u>Roll</u>			
1	Core Size (I.D)	mm	KME Method	152
2	Std. Length	Mtrs	KME Method	20000
3	Std. Width	mm	KME Method	25 to 1600 as per requirement
4	Width Tolerance	mm	KME Method	+/-2 in the absence of customer specified tolerance

MD - Machine Direction

TD - Transverse Direction