

AS 103 M

DESCRIPTION : AS 103 M, Grade film is a co-extruded bi-axially oriented polyester film vacuum aluminium metallised on corona side and other side plain.

APPLICATION : Suitable for flexible packaging application.

SALIENT FEATURES :

- Good Water Vapour and Gas Barrier properties.
- Good Metal Bond Strength.
- Excellent Machineability.
- Good Lamination Adhesion.

TECHNICAL DATA SHEET (AS 103 M)

Properties		Test Method.	Unit.	AS 103 M
PHYSICAL				
Thickness		ASLTM D-374.	Micron.	12
Thickness Variation			%	±5
Average Grammage			g/m ²	16.8
Density			g/cc	1.4
Metal Bond Strength			g/25mm	200
Width			mm (Tolerance -0/+3)	510-1640
Length			mtr	Up to 24000
OPTICAL				
Optical Density		ASLTM	--	2.2 ± 5%
MECHANICAL				
Tensile Strength (Min)	MD	ASLTM D-882	Kg/cm ²	2300
	TD			2200
Elongation (Min)	MD	ASLTM D-882	%	100
	TD			90
Coefficient of friction (Max) (Base Film)	Static	ASLTM D-1894	--	0.50
	Kinetic			0.45
THERMAL				
Shrinkage (Max) (150°C/ 30 Min)	MD	ASLTM D-1204	%	2.4
	TD			0.4
SURFACE				
Wetting Tension (Min)	Metal Side.	ASLTM D-2578	Dyne/cm	54
	Plain Side.			44-46
BARRIER.				
WVTR (38°C & 90% RH) (Max)		ASLTM F-1249.	g/m ² /day	1.0
OTR (23°C & 0% RH) (Max)		ASLTM D-3985.	cc/m ² /day	1.2

Deviation : Tolerance in width +2mm and -2mm.

Note - Optical Density up to 2.8 is available on request.

MD : MACHINE DIRECTION, TD : TRANSVERS DIRECTION