

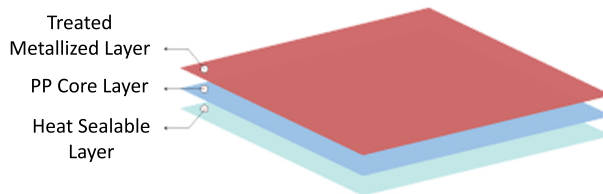


## TECHNICAL DATA SHEET

### METALLIZED BOPP FILM BS2MZ

#### Key Features

- Good Seal Integrity
- Good Barrier Properties
- Excellent Metal Adhesion



Is a Co-extruded Metallized Film,  
one side Metallized and other side Heat Sealable

#### Application

Confectionery Packaging  
Lamination

PROPERTIES		TEST METHOD (ASTM)	UNIT	TYPICAL VALUE		
				20	25	30
THICKNESS			Micron	80	100	120
DEVIATION of AVG FILM THICKNESS	± 5%	Internal	%	± 5	± 5	± 5
FILM DENSITY		D-1505	gm/cc	0.9	0.9	0.9
GRAMMAGE		Internal	gm/m <sup>2</sup>	18.0	22.5	27.0
YIELD		Internal	m <sup>2</sup> /kg	55.5	44.4	37
COEFF OF FRICTION (NT + Metal Surface)	DYNAMIC	D-1894	-	0.50	0.50	0.60
OPTICAL DENSITY		-	-	2.2	2.2	2.2
TENSILE STRENGTH AT BREAK	MD*	D-882	Kg/cm <sup>2</sup>	1200	1200	1100
	TD*			2500	2500	2400
	MD*		(Psi)	17,000	17,000	17,000
	TD*			35,000	35,000	34,000
ELONGATION AT BREAK	MD*	D-882	%	190	190	170
	TD*			50	50	40
LINEAR SHRINKAGE (AT 130°C/5 MINUTES)	MD*	Internal	%	< 5.0	< 5.0	< 5.0
	TD*			< 3.0	< 3.0	< 3.0
HEAT SEAL INITIATION TEMPERATURE		Internal	°C	118	120	125
HEAT SEAL STRENGTH			gm/25mm	450	450	450
W.V.T.R (38°C & 90% RH)		F-1249	gm/m <sup>2</sup> /day	< 0.4	< 0.4	< 0.4
			(gm/100in <sup>2</sup> /day)	0.03	0.03	0.04
O.T.R. (23°C & 0% RH)		D-3985	cc/m <sup>2</sup> /day	< 60	< 60	< 65
			(cc/100in <sup>2</sup> /day)	< 3.8	< 3.8	< 4.2

\*MD = Machine Direction \*TD = Transverse Direction

#### Reel Packing Format

Core Size	Outer Reel Dia
3" (76 mm)	< 550 mm
6" (152 mm)	< 650 mm

Min Reel Size	Max Reel Size
360 mm	1400 mm

#### Storage

It is recommended to store the film in dry conditions below 30°C in order to avoid deterioration of film properties. It is advisable to use the material on FIFO basis.

#### Food Contact

Complies with FDA and EC regulations. MSDS are available on request.

#### Disclaimer

Information contained here is best to our knowledge but limited to the information as specified. No representation or warranty is made regarding the information or its fitness to a particular use. The user is solely responsible for all determinations regarding use and we disclaim liability for any loss or damage that may occur from the use of this information. Astro films reserves the right to change the technical data sheet at any time for enhancing the Quality of the products without prior information.