



TECHNICAL DATA SHEET

MC200

Metallized Heat Sealable Film

Description:

Flexipack **MC200** is a heat sealable film, one side treated and metallized with high purity aluminum; other side is untreated.

Product Features:

- One side is aluminum coated
- Excellent metal adhesion
- Good Optical Density

Applications:

Used as inner web for adhesive lamination
Surface printed for confectionery and candy wrapper
Gift wrap & flower designing

Technical Specifications:

Properties			Tolerance	Unit	Typical Values					Test Method
Physical	Thickness		+/- 5%	μ	15	18	20	25	30	ASTM D 374
	Grammage		+/- 5%	g/m²	13.7	16.4	18.2	22.8	27.3	FPIM
	Yield		+/- 5%	m²/kg	73.3	61.0	54.9	43.9	36.6	FPIM
Optical	Optical Density		+/- 0.20	%	2.10					FPIM
Surface	Wetting Tension		Minimum	dynes	38					ASTM D 2578
	Coefficient of Friction - Dynamic	UT/UT	Maximum	-	0.25					ASTM D 1894
		T/M	Maximum	-	0.35					
Mechanical	Tensile Strength	MD	Minimum	N/mm²	140					ASTM D 882
		TD		N/mm²	280					
	Elongation @ Break	MD	Maximum	%	170					
		TD		%	50					
Thermal	Shrinkage @ 120C 5 minutes air	MD	Maximum	%	5					FPIM
		TD		%	2					
	Heat Seal Range		Range	C	105 - 140					FPIM
	Seal Strength @ 130C, 1 bar, 1 sec			Minimum	g/15mm	275				

Note: MD- Machine Direction, TD- Transverse Direction, UT- Untreated, FPIM- Flexipack Instruction Manual

TREATMENT SIDE

MC200 can be supplied either with treatment on the inside surface (I) or Outside Surface (O) and the Customer choice should be agreed with our sales representative before processing the order.



ROLL DIMENSIONS (Comes only on 152mm ID paper cores):

Properties		Unit	Typical Values					
Dimensions	Thickness	μ	15	18	20	23	25	30
	Length (+/- 5%)	Meters	26000	21000	18500	16000	15000	12500
	Diameter (+/- 10%)	mm	725	715	710	710	710	710

PACKAGING:

Recommended: Double stacked at two rolls per pallet with wooden side boards on both ends of the rolls to avoid blocking. Entire pallet strapped and wrapped with stretch films.

STORAGE & HANDLING

MC200 Films rolls are prone to blocking when pressed against hard surfaces during storage. It is suggested to store the films on a hanging position until it is time to be used.

Bi-axially oriented films age with time and will exhibit deterioration of some properties if not stored in a suitable environment at a temperature 30°C or below. We strongly advice our customers to use recommended storage condition, follow FIFO in usage and consume products before three months from date of delivery.

DISCLAIMER

The information contained in this technical data sheet only illustrates typical values and are to the best of our knowledge as of the date when the data is compiled. It is the responsibility of our customers to determine that their use of our products is safe, lawful, and technically suitable in their intended applications. The technical data sheets are provided for discussion purposes only. The customer may not rely on the data provided for any manufacturing purpose. The data is offered solely to provide possible suggestions for your own experimentation and not as a guarantee for the material supplied. The user is solely responsible for the end use of the product and needs to perform their own tests to confirm the product suitability/compatibility in all respects. Flexipack provides no warranty and accepts no liability for any loss or fitness of the product for any specific purpose based on the information contained in the technical data sheets. Flexipack reserves the right to change the technical data sheet at any time without prior notice.

FOR MORE INFORMATION PLEASE CONTACT:

Flexipack Customer Service - info@flexipack.com.ng

OR VISIT US:

FLEXIPACK LIMITED

Area 2 Opic Industrial Area, Agbara, Ogun State, Nigeria (Behind Hayatt Kimya factory)

Website: www.flexipack.com.ng