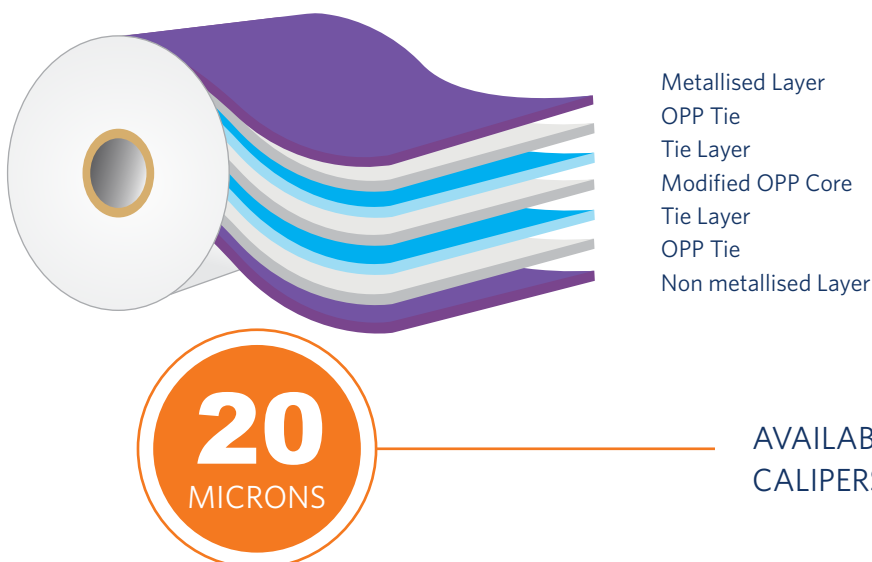


PROVISIONAL

## MS20ITW-CPP-M

BOPP FILMS

METALLISED HEAT SEALABLE BARRIER GRADE CPP FILM FOR TWIST WRAP APPLICATIONS



### DESCRIPTION

MS20ITW-CPP-M is barrier grade metallised CPP film. It is metallised on one side and heat sealable on other side having good moisture and gas barrier properties. Film is specifically designed to provide good twist retention properties so as to be used either single layer or in lamination with other twist grade.

### PRODUCT FEATURES

- Good twist retention properties
- Excellent stiffness and mechanical properties
- Controlled COF for better twist retention
- Good sealing properties
- Good moisture and oxygen barrier
- Excellent metal adhesion

### APPLICATIONS

- Twist Wrapping for
- Hard Boiled Candies
  - Eclairs
  - Chocolates
  - Toffees/Mints etc

## PROVISIONAL

	PROPERTIES	POSITION	MS20ITW-CPP-M	UNIT	METHOD
GENERAL	Nominal Thickness	-	20	μ	Internal Method
	Density	-	0.91	g/cc	Internal Method
	Grammage	-	18.2	g/m <sup>2</sup>	Internal Method
	Yield	-	55.0	m <sup>2</sup> /kg	Internal Method
OPTICAL	Optical density	-	2.2	-	Internal Method
SURFACE	Metal adhesion	-	100	%	Internal Method
	COF	Utr/Metal	0.25	-	ASTM D 1894
MECHANICAL	Tensile Strength (at break)	- MD	500	kg/cm <sup>2</sup>	ASTM D 882
		- TD	250		
	Elongation (at break)	- MD	500	%	ASTM D 882
		- TD	600		
THERMAL	Linear Shrinkage (max)	- MD	3	%	ASTM D 1204
		- TD	2		
	Heat Seal Range	-	NA	°C	Internal Method
	Heat Seal Strength	-	NA	g/25mm	Internal Method (130°C/0.5sec/30psi)
BARRIER	WVTR 38° C 90% rh	-	0.5	g/m <sup>2</sup> /day	ASTM F 1249
	OXTR 23° C 0% rh	-	60	cc/m <sup>2</sup> /day	ASTM D 3985

The figures and above properties refer to typical values which are indicative only. Customers should verify the suitability of the film for its specific end use. Therefore this document will not represent a product specification.

#### GUIDELINES FOR STORAGE

Temperature should preferably be less than 30°C & humidity 55±5% in storage areas and material should be consumed within three months of receipt. CPP films should be allowed to reach operating room temperature 24 hours before use.

#### FOOD CONTACT

CPP films complies with the requirements of FDA, EC & REACH regulations. Specific documentation is available on request.

#### SAFETY

Compliance with industrial health and safety standards. CPP films do not present any significant danger to health and safety in the workplace, provided they are used for the intended purpose in accordance with conventional practices and that health & safety regulations are observed. Relevant guidelines can be found in our MSDS (available upon request).

#### CAUTIONS

- Film characteristics are maintained for six months from the date of invoicing except for metallized layer surface tension
- Strongly recommend online corona treatment in metallised films during lamination as treatment level decay with time is a natural phenomenon which depends on ambient conditions (Recommended storage conditions: Temperature < 30 deg C & Humidity 55% (Maximum) in original packed condition)