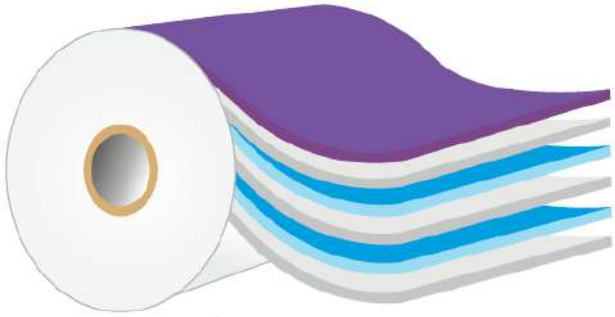
TECHNICAL DATA SHEET

TOPPAN

PROVISIONAL

MDSILSA1-CPP-M

METALLIZED HEAT SEALABLE VERY LOW SEAL INITIATION TEMPERATURE HIGH HOT TACK HIGH HEAT SEAL & HIGH METAL BOND CPP FILM FOR CONVERSION



Aluminium Layer
Treated, Metallizable Layer
Tie Layer
PP Core layer
Tie Layer
Non CT, Very Low SIT, Heat Seal Layer

22,25 micron

AVAILABLE CALIPERS

DESCRIPTION

It is a co-extruded metallized multipurpose cast polypropylene film with very low initiation temperature & broad seal range. It's one side excellent metal adhesion of deposited metal and other side is heat sealable. In addition to this, its improved barrier properties make it an ideal choice for sensitive product demanding great protection.

PRODUCT FEATURES

- Wide sealing range with low seal initiation temperature (SIT ~ 90°C)
- Excellent sealing properties in term of strength, hot-tack and integrity
- Excellent metal bond adhesion
- Remarkable performance on HFFS & VFFS machines
- Excellent Moisture barrier
- Good Oxygen barrier
- High Seal strength

APPLICATIONS

- Confectionary (Chocolate/gum/sugar)
- Bakery (Biscuits/cookie/crackers)
- Potato chips/snacks/crisp
- Household and detergents

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	PROPERTIES	REF.	MDS22ILSA1-CPP-M	MDS25ILSA1-CPP-M	UNITS	TEST METHOD
GENERAL	Thickness	-	22	25	µ	Internal Method
	Density	-	0.91	0.91	g/cc	Internal Method
	GSM	-	20.02	22.7	gm/m^2	Internal Method
	Yield	-	49.95	44.0	m^2/kg	Internal Method
OPTICAL	Optical Density	-	2.7		-	Internal Method
SURFACE	Kinetic COF	Seal/Metal	0.30		-	ASTM D 1894
MECHANICAL	Tensile Strength	MD TD	520 210	550 300	Kg/cm^2	ASTM D 882
	Elongation	MD TD	550 600	600 800	%	ASTM D 882
THERMAL	SIT	-	90		°C	Internal Method
	Heat Seal Strength (0.5sec, 30psi, 130°C)	-	1800	2000	gf/in	Internal Method
BARRIER	WVTR (100.4°C,90% RH)	-	0.4		$g/m^2/day$	ASTM F 1249
	OTR (73.4°F,0% RH)	-	50		$cc/m^2/day$	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)