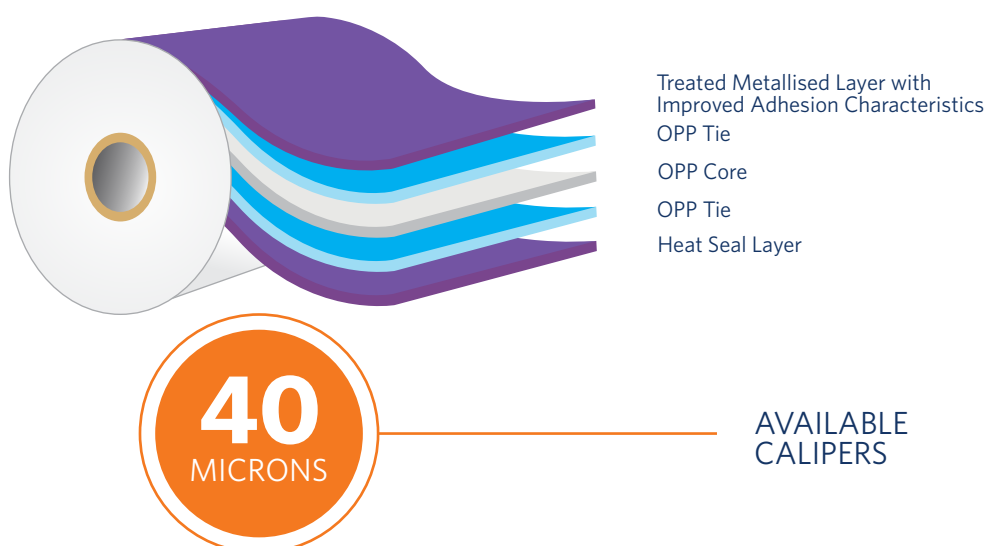


MS40I275

BOPP FILMS

METALLISED HEAT SEALABLE INSIDE METALLISED ULTRA HIGH BARRIER GRADE WITH IMPROVED TEAR PROPAGATION STRENGTH FOR PACKAGING CONVERSION



DESCRIPTION

OPP MS40I275 is Ultra High Barrier Metallised **BOPP** film. Its high energy metallised surface provides improved adhesion characteristics along with superior moisture and gas barrier properties. This film is specifically modified to provide controlled tear propagation. Due to its slip controlled seal surface this film perform well on all types of HFFS & VFFS machines.

PRODUCT FEATURES

- Excellent metal adhesion
- Improved tear propagation for linear tear
- Good sealing properties
- Excellent runnability on HFFS & VFFS machines
- Good moisture and oxygen barrier

APPLICATIONS

Typically used as a inner web In laminates for VFFS & HFFS applications

- Tea Pouches
- Confectionary (chocolate/gum/sugar)
- Bakery (Biscuits/cookie/crackers)
- Chips and snacks
- Dry food and powders

	PROPERTIES	POSITION	MS40I275	UNIT	METHOD
GENERAL	Nominal Thickness	-	40	μ	Internal Method
	Density	-	0.91	g/cc	Internal Method
	Grammage	-	36.4	g/m ²	Internal Method
	Yield	-	27.5	m ² /kg	Internal Method
SURFACE OPTICAL	Optical density	-	2.7	-	Internal Method
	Metal adhesion	-	100	%	Internal Method
MECHANICAL	Tensile Strength (at break)	- MD - TD	1100 2500	kg/cm ²	ASTM D 882
	Elongation (at break)	- MD - TD	230 70	%	ASTM D 882
	Elastic Modulus	- MD - TD	18000 36000	kg/cm ²	ASTM D 882
	Linear Shrinkage	- MD - TD	4 2	%	ASTM D 1204
THERMAL	Heat Seal Range	-	115-145	°C	Internal Method
	Heat Seal Strength	-	600	g/25mm	Internal Method (130°C/1sec/30psi)
BARRIER	WVTR 38° C 90% rh	-	0.3	g/m ² /day	ASTM F 1249
	OXTR 23° C 0% rh	-	60	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. OPP films should be allowed to reach operating room temperature 24 hours before use.

FOOD CONTACT

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

SAFETY

Compliance with industrial health and safety standards. OPP 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)