

HIGHLIGHTS

TYPICAL APPLICATION

▪ **Food packaging**

To be used as inner layer of laminates. Specially indicated for “environmental” application.

To be used laminated.

PROPERTIES

- Good aluminium adhesion
- Good oxygen & moisture barrier
- High stiffness
- Good mechanical properties
- Fully compostable into carbon dioxide, water and biomass by microbial digestion
- Resin made from annually renewable source
- Not suitable for retorting & pasteurisation

Bi-oriented COMPOSTABLE film metallised on the corona treated side

TECHNICAL DATA

PROPERTIES	TEST CONDITIONS	UNITS	TYPICAL VALUES		
Thickness	Internal method	µm	20	25	30
Thickness Range	Internal method	%	± 5		
Specific weight	ASTM D 1505	g/cm ³	1.24		
Heat Seal range	Internal method (4 bar – 0.5")	°C	85-140		
Seal Strength	85 °C – 1 bar – 0.5"	g/cm	> 80		
COF dynamic - film/film (not metallised side)	ASTM D1894	-	0.45-0.65		
Surface tension (metallised side)	ASTM D2578	dynes/cm	> 38		

TYPES OF METALLISATION AND BARRIER

METALLISATION	OPTICAL DENSITY	O ₂ TR [cc/(m ² x d x bar)] (ASTM F1927 – 23°C & 50% rh)	VWTR [g/(m ² x d)] (ASTM F1249 – 38°C & 90% rh)	PROPERTY
Type “C”	2.2-2.5	< 15	< 3.5	Good barrier

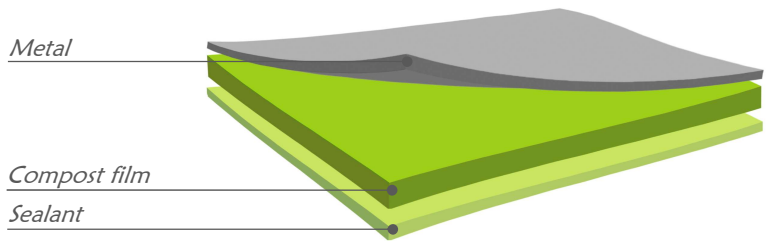
REELS CONFORMATION AVAILABILITY

Maximum width	2460mm
Maximum external diameter	800mm
Internal diameter	152mm or 76mm
Packaging	Horizontal - Suspended

STORAGE – TERM OF USE

Metallised film suffer high humidity ambience conditions. For all the period before its use, the material must be stocked in a closed warehouse and kept packed in its original packaging. In case of partial use, the not used rest reel must be packed again and must be completely protected with overwrapping packaging. A storage temperature below 45°C is needed in order to minimise the deterioration of the film properties in general. The film should be conditioned in the operating environment at least for 24h before processing.

SAES coated films will not accept any responsibility for material processed after 4 months from delivery date.



The SAES Group manufacturing companies are ISO9001 certified. Full information about our certifications for each company of the Group are available on our website at: www.saesgroup.com

PRINTING GUIDELINES

- Due to low tension surface energy on metal side, refresh corona treatment before printing is recommended.
- In case of printing on metal, we recommend the use of a primer.
- MET501 can be converted on flexo and rotogravure print presses. It needs rather low drying temperatures and a high airflow for best print results. Any solvent, except Ethyl Acetate, can be used. Ethyl acetate will cause swelling effect up to total disintegration of compostable base film.
- Appropriate tests should be carried out before converting.

LAMINATION GUIDELINES

If not properly handled, metallised film can show delamination so that special care is to be taken while choosing the proper adhesive system. It is important to contact your adhesive supplier for best choice of products. Appropriate tests should be carried out before converting.

CRITICAL APPLICATIONS

- MET501 is not suitable for pasteurization & retorting applications.
- For any new application is intended to be used, MET501 must be sampled. It is required to provide to our technical dpt all the necessary information regarding packaging final use & shelf life conditions.

Whilst SAES coated films aims to ensure the accuracy and relevance of the information given on the use and application of its products, it cannot guarantee the data, some of which on outside sources, or its completeness. Provided data refer to our film as it is. Customers must remain responsible for their own product testing, evaluation and for their own safety procedures.

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