

Chamberlain Plastics International Limited

Unit M, Bury Close, Higham Ferrers, Northamptonshire, England, NN10 8HQ.
Telephone: +44 (0) 1933 353875, Facsimile: +44 (0) 1933 410206.

PRODUCT DATA SHEET

Product:

Polyester Films

Scope

1. This data sheet outlines the requirement for a clear, or metallised polyester film intended for interior use.
2. Where specified, the film face may be top-coated with an ink receptive lacquer, coded TC200, which is suitable for use with most vinyl inks.
Some ink can have a negative effect on TC200, and the user is advised to assess the suitability of the material for their own application.

Description

1. The polyester film is aluminium metallised on one side and in a nominal thickness of 0.012mm. The film may be dyed, matt (19µm) or brushed (23µm) to give different cosmetic and coloured effects. Silver NBS appears brighter than standard Silver. If necessary the metallising can be coated with a PVC co-polymer to reduce scuffing during further processing. Where TC200 is present, the coating is applied onto the polyester face side of metallised films.

Typical Characteristics

Characteristic	Method	Value
Metal Density.	Internal.	1.0 – 1.5Ω/□
Colour.	Minolta 508i Spectrophotometer	DE 5.0
Film Yield (12µm).	Internal.	19.0 – 21.0 g/m ² (47.6 – 52.6 m ² /Kg)
Maximum width.	Internal.	1460mm
Tensile Strength.	ASTM D-882A	21 Kg/mm ² (MD)
Elongation.	ASTM D-882A	130% (MD)
Dimensional Stability.	10 mins at 100c.	1.0% maximum
Haze	ASTM D-1003	1.8%
Shelf Life.		3 months from receipt when stored in conditions not exceeding 20c/50% relative humidity.

Ordering Information

To help us determine your order requirements correctly, please specify the following information, where applicable:

- Chamberlain Product Code and/or description consisting of:
Thickness of the base PVC e.g. **0.10mm** Silver Polish FNM, **0.15mm** Gold 23 Cut Bead R800;
Description/colour reference e.g. 0.10mm **Silver** Polish FNM, 0.15mm **Gold 23** Cut Bead R800, 0.15mm **Matt Gold** FNM4. Please include the full shade description of Gold (**Gold 22**, **Gold 23** etc);
Emboss e.g. 0.10mm Silver **Polish** FNM, 0.15mm Gold 23 **Cut Bead** R800;
Base PVC code e.g. 0.10mm Silver Polish **FNM**, 0.15mm Gold 23 Cut Bead **R800**;
Whether a print receptive topcoat is required e.g. 0.10mm Silver Hairline Polish FNM + **TC200**.
- Finished width;
- Finished length;
- Roll format (Bobbins, reels, sheets, tape packs etc);
- Core inside diameter (76mm or 152mm);
- Direction of winding e.g. (Gold face wound inside, or outside).

Users of METALON film and laminates are recommended to consult Chamberlain Plastics Limited Health and Safety literature.

Information contained in this publication is to the best of our knowledge accurate at the time of issue and is given in good faith, but we are unable to accept responsibility in respect to factors which are outside our knowledge and control. We assume the user assesses the suitability of the product for their particular application. The data relates only to the specified product and does not relate to use in combination with any other material or in any process.