

# Chamberlain Plastics International Limited

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## PRODUCT DATA SHEET

**Product:** *Metalon With Special Decorative Effects Matt, Hairline, Embossed Laminates.*

### Scope

1. This data sheet outlines the requirement for a bi-laminate of metallised polyester film and pvc, or PETG suitable for decorative applications intended for interior use. The polyester film may incorporate a special surface effect and/or the laminate maybe embossed to a specified pattern. If required, the polyester film maybe top-coated with an ink receptive lacquer, coded TC200, and is compatible with most vinyl inks. TC200 is not available on FNM5 or pattern embossed laminates.

NB: Some inks can have a negative effect on TC200, and the user is advised to assess the suitability of the material for their own application.

Where TC200 is incompatible, a bright, treated polyester should be tried. Polish embossed laminates may be over-laminated with a 0.05mm static cling polythene film for surface protection. The protective film is not available on TC200 coated or pattern embossed material. The PVC face may be Pressure Sensitive Adhesive Backed, if required.

*NOTE: Where laminate is provided with a metallised film on both sides, the consistency of the reverse side surface appearance cannot be guaranteed as this surface was in contact with a rubber backing roller during the laminating process.*

### Description

1. The polyester film may be dyed, matt, and/or brushed (hairline) and evenly metallised on one side. A slight variation in colour and/or appearance effects is unavoidable due to production limitations.
2. The base film, when coded FNM, is a smooth grey plasticised vinyl in nominal thicknesses of 0.10mm, 0.15mm, 0.20mm and 0.30mm.
3. When coded R800, the base film is a smooth clear, medium impact modified rigid vinyl in nominal thicknesses of 0.10mm, 0.15mm and 0.30mm, or in a smooth, white rigid vinyl in a nominal thickness of 0.35mm.
4. When coded FNM4, the base film is a smooth white, plasticised vinyl designed for pressure sensitive adhesive applications in nominal thicknesses of 0.10mm, 0.20mm and 0.30mm. When coded Natural FNM4, the base PVC is a smooth clear, plasticised vinyl in a nominal thickness of 0.20mm.
5. When coded FNM5, the base film is a smooth white, plasticised fire retardant vinyl, and is available in nominal thicknesses of 0.10mm, 0.20mm and 0.30mm.

### Typical Characteristics

| <i>Characteristic</i>   | <i>Method</i>                   | <i>Value</i>   |
|-------------------------|---------------------------------|--|
| Polyester/PVC Adhesion. | Internal.                       | Polyester film tear.   |
| Total Thickness         | Internal.                       | Sum of the component films $\pm$ 10%.  |
| Colour.                 | Minolta 508i Spectrophotometer. | DE 5.0   |
| Shelf Life.             |                                 | 3 months from receipt when stored in conditions not exceeding 20c/50% relative humidity. |

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#### 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 International 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.

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