

Chamberlain Plastics International Limited

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PRODUCT DATA SHEET

Product:

Silver Polish/FNM Laminates
Silver Polish/R800 Laminates

Scope

1. This data sheet outlines the requirement for a bi-laminate of metallised polyester film and PVC suitable for bonding to vinyl extrusions intended for interior use, or exterior use when protected by a suitable UV stabilised overlay applied during the extrusion process by the user.

The laminate conforms to the following automotive specifications:

General Motors GM3619 Types I and III;
Ford ESB-M98-D17-A1 and A3;
Chrysler MSDE-101.

Description

1. The polyester film is evenly metallised on one side and in a nominal thickness of 0.012mm. Where requested, a bright film coded NBS, may be provided. NBS film is treated to accept vinyl overlays.
2. The base film, when coded FNM, is a smooth grey plasticised vinyl in nominal thicknesses of 0.10mm, 0.15mm and 0.20mm.
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 0.20mm.

Typical Characteristics

Characteristic	Method	Value
Tensile Strength.	ASTM D-882A	27.5 Kgf/mm ² (MD) At polyester film break.
Elongation.	ASTM D-882A	50% (MD) At polyester film break.
Polyester/PVC Adhesion.	Internal.	Polyester film tear.
Total Thickness	Internal.	Sum of the component films \pm 10%.
Dimensional Stability.	10 mins at 100c	3.5% maximum.
Heat Ageing.	250hr at 80c.	No cracking, blistering, delamination or change in colour.
Humidity Exposure.	250hr at 50c/98-100% rh.	
Cycle Test.	2 Cycles of: 17hr at -30c; 72hr at 80c; 24hr at 50c/98-100% rh; 7hr at -30c; 17hr at 50c/98-100% rh; 7hr at 80c; 24hr at 50c/98-100% rh;	
Shelf Life.		

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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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).

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