

Chamberlain Plastics International Limited

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PRODUCT DATA SHEET

Product: *PV400 Weatherable Laminates*

Scope

1. This data sheet outlines the requirement for a tri-laminate of U. V. stabilised polyester film and pigmented PVC suitable for bonding to vinyl extrusions intended for exterior use.

Description

1. The top film consists of a clear U. V. stabilised polyester film (Weatherable) in a nominal thickness of 12µm.
2. The coloured intermediate film is a smooth flexible vinyl in a nominal thickness of 0.10mm.
3. The base film, coded FNM is a smooth grey flexible vinyl in a nominal thickness of 0.10mm.

Typical Characteristics

Characteristic	Method	Value
Bond Strength.	Internal.	350 N/m minimum.
Total Thickness	Internal.	Sum of the component films \pm 10%.
Dimensional Stability.	10 mins at 100c	5% maximum.
1000 hr Q-U-V Exposure.	8hr UV-B at 70c; 4hr Condensation at 50c.	No cracking, blistering, delamination or appreciable change in colour.
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.		12 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 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.