

Chamberlain Plastics International Limited

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PRODUCT DATA SHEET

Product: 12µm Silver, Silver NBS, and Coloured Polyesters + HS3150 Heat-seal Adhesive

Scope

1. This data sheet outlines the requirement for a metallised polyester film suitable for lamination to ABS and HIPS sheet intended for interior use.

Description

1. The polyester film is aluminium metallised on one side and in a nominal thickness of 0.012mm, 0.019mm or 0.023mm. The film may be dyed, matt or brushed (Hairline) to give different cosmetic and coloured effects. Silver NBS appears brighter than standard Silver.
2. The metallising is over coated with a heat seal lacquer, suitable for adhesion to ABS and HIPS.

Typical Characteristics

Characteristic	Method	Value
Metal Density.	Internal.	1.0 – 1.5Ω/□
Coating Weight.	Internal.	3.0 – 3.5 g/m ²
Colour.	Minolta 508i Spectrophotometer	DE 5.0
Heat-seal Softening Point.	Internal.	140 – 150c
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
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 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.