



POLINAS POLIMAGIC HOLOGRAPHIC FILMS USAGE GUIDE

- The storage conditions applied for Polinas metallized BOPP films are also suitable for Polimagic® holographic films.
- It is the responsibility of the end-user to verify that the product as supplied, and the printing/converting process to which the product is subjected, are suitable for the final application of the converted product.
- The recommendations obtainable by the end-user from Polinas' Technical Service are guidelines that are given at the best of the technical knowledge relevant to the application of the products for the scopes intended, but do not relieve the end-user from its obligations and responsibilities relevant to the correct use of the product.

Technical disclaimer relevant to the application

- Polinas' Polimagic® films have been extensively used in film converting applications with successful results; notwithstanding that, the use of incorrect converting techniques or inadequate converting materials (e.g. inks, adhesives, etc), can result in a damage to the film and/or the final product.
- In the case of some common converting processes, the following general recommendations can be given:
- Drying temperature above 70°C and tight winding can cause weakness of the holographic appearance, at the printing stage.
- Some chemicals (adhesives, inks etc.) may damage the holographic surface. Therefore, it is recommended that performing a previous trial before longer term converting.
- Surface-printed products: the use of a metallized-film grade primer is recommended before printing the holographic surface; conversely, metallized-film grade inks can be used, with a final coat of metallized-film grade transparent over lacquer
- Laminated products: a high performance PU-based lamination adhesive, solvent-grade, is recommended, with a coating weight (dry) of ca 1.5 - 2.0 g/m²;
- The use of solvent less PU-based lamination adhesives is not recommended, unless a high-performance, resilient grade is used, at unit weight (dry) of ca. 2.0 - 2.5 g/m²; exact coating weight is also a function of the other film that forms the laminated product.
- Offset/letterpress print: the coated types of Polimagic® films must be the ones specified for this application; due to the wide range of ink compositions used in offset/letterpress inks, a careful choice of the correct ink series has to be done.

Polinas Technical Service dept. is available for supplying recommendations for any of the applications of the Polimagic® films, comprising and not limited to the aforementioned applications.

All the information given above is the best of our knowledge. Since the conditions under which our products may be used are beyond our control, recommendations are made without any warranty or guarantee.

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