

Product Reference Sheet

DirectTex™ PES Flag 110



PES Flag 110 is made from 100% polyester and has a weight of 3.4 oz/yd². This product features our unrivaled coating that delivers the brightest colors, deepest blacks and sharpest edges with both direct print and transfer dye sublimation. Expected outdoor durability is six months. PES Flag 110 meets the NFPA 701 fire standard.

Properties at a Glance

- Weight – 3.4 oz/yd² (110 g/m²)
- Thickness – 11 mil (285 μ)
- Tear strength – 108/198 N/15mm
- Fire rating – NFPA 701, B1
- Thread – 100% polyester
- Weave – open knit weave
- For indoor and 6 month outdoor use

Applications

- Flags
- Sheer signage
- Charity event golf flags
- Teardrop outdoor signage

Features-Advantages-Benefits

Features	Advantages	Benefits
Good bleed through	Ink penetrates better to reverse side	Good color on reverse side image
DirectTex coating	Excellent ink hold to minimize cost	Sharper edges with no color loss when direct printing
Fire resistant	Meets NFPA 701	Allows product to be used in public spaces

Temperatures and thicknesses are given as approximate values. All data are standard values. The information in this specification sheet is based on findings obtained in practice. Because of the high number of factors which can have an effect during handling and application, customer tests will be required. A legally binding guarantee of specific properties is not to be inferred from our specifications. The information given here may be subject to change without notice. Neschen has not prepared MSDSs for these products which are not subject to the MSDS requirements of the Occupational Safety and Health Administration's Hazard Communication Standard, 29 C.F.R 1910.1200(b)(6)(v). When used under reasonable conditions or in accordance with the Neschen directions for use, these products should not present a health and safety hazard. However, use or processing of the products in a manner not in accordance with the directions for use may affect their performance and present potential health and safety hazards. The purchaser should test material to determine if it is suitable for their own specific purpose.

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Ink Compatibility

- For direct to textile printing with dye sublimation inks.
- For transfer dye sublimation.
 - Compatible with solvent, aqueous or oil based dye transfer techniques.

Ink Type	
Direct dye sublimation	✓
Transfer dye sublimation	✓
UV curable inks	

Printing Recommendations

- Print directly onto the media.
- For additional durability, run through the sublimator twice, making sure the fixing temperature is set between 375°F – 410°F. For best results, fixing temperatures should be tested with a small sample before start of production.
- To prevent ink transfer onto the heat press during sublimation, the use of tissue paper is recommended.
- All DirectTex™ textiles are pre-shrunk. A minimal shrinkage of 1-2% can be expected when sublimating polyester textiles.

Finishing Recommendations

- Cutting – The product can be cut with fabric scissors, but for best results use a heat knife and blade (Neschen item # 600HSG0 & 600H205) on glass or other heat resistant surface with a metal ruler to seal the edges.
- Sewing – Use polyester thread to prevent material puckering.
- Hemming Tape – Hemming the edges is suggested to prevent fray from wind. Banner tape can be used in place of stitching, check for adhesive compatibility with fabric as some adhesives do not stick well to fabric. Tape may affect fire retardant properties.
- Cleaning – If graphic becomes soiled, use a lint-free, clean cloth with warm soapy water and gently rub the affected areas. Test all cleaning procedures on a small inconspicuous area (or on a previously printed test print) so that it does not affect the graphic. Rubbing wet ink may cause smudging.
- Wrinkle Removal – The best way to eliminate any wrinkles that may form during transport or extended storage of the graphic is with a handheld steamer. Use the setting recommended for polyester fabrics and apply the steam to the back side of the graphic.
- Outdoor displays - Secure graphic to prevent wind damage.

Storage Conditions

- Store unused media in the plastic over wrap to protect it from humidity changes and contaminants. Store media on an even flat surface to prevent dents that may affect imaging performance. Media may also be stored standing on end or on a media caddy.
- Store media in an area with low humidity and limit its exposure to heat and direct sunlight.

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