



Ref. 747 — PEM 150 Eco

White high-density polyethylene (HDPE) film, paper-like surface, both sides treated

DESCRIPTION

White opaque film based on high-density polyethylene (HDPE) with a paper-like surface. Single-sided material without top coating, treated on both sides. It combines the appearance and processability of paper with the tear resistance of a plastic film. It prints best by thermal transfer (resin, wax and mixed ribbons) and is compatible with every known printing method except laser printing. Non-absorbent surfaces require inks specifically formulated for films.

QUICK SUMMARY

Facestock: White HDPE film, paper-like surface Adhesive: No adhesive (mechanical fastening) Printing: Thermal transfer; not suitable for laser Storage: 18–25 °C and 40–60 % relative humidity	Key points · Thickness: 150 µm · Total weight: 164 g/m² · Tear resistant · Both sides treated, no top coating · UV stability can be improved with additional UV stabilisers
---	---

KEY ADVANTAGES

- White opaque HDPE-based film with a paper-like surface.
- Tear resistant.
- Prints best by thermal transfer (resin, wax and mixed ribbons).
- Compatible with every known printing method except laser printing.
- UV stability and weather resistance can be improved with additional UV stabilisers.

PRINTABILITY

Prints best by thermal transfer (resin, wax and mixed ribbons) and is compatible with every known printing method. Not suitable for laser printing. Non-absorbent surfaces require inks specifically formulated for films; with UV inks, the curing temperature must be matched to the thermal resistance of the film. Validate the suitability of thermal transfer ribbons for each process.

MATERIAL STRUCTURE

LAYER	CODE	DESCRIPTION
HDPE film	PEM 150 Eco	White high-density polyethylene (HDPE) film, paper-like surface, no top coating, both sides treated.



PHYSICAL PROPERTIES

PROPERTY	STANDARD	UNITS	VALUE	TOLERANCE
Thickness	—	µm	150	—
Total weight	—	g/m ²	164	—

STORAGE CONDITIONS

PROPERTY	UNITS	VALUE	TOLERANCE
Temperature	°C	18–25	—
Relative humidity	%	40–60	—
Packaging	—	Original	—
Light / UV	—	Avoid exposure	—

STORAGE AND SHELF LIFE

Store in the original packaging at 18–25 °C and 40–60 % relative humidity, avoiding exposure to light and UV radiation.

USAGE RECOMMENDATIONS

- Check the compatibility of inks and thermal transfer ribbons with the film before production.
- With UV inks, make sure the curing temperature is compatible with the thermal resistance of the film.
- Keep the material in its original packaging, at 18–25 °C and 40–60 % humidity, until it is used.

IMPORTANT NOTES

- The values given are typical values based on the manufacturer's data and are subject to change without notice.
- Users should run their own trials, since handling and application can affect performance.

This document is a technical data sheet for commercial use. For any advice on the suitability of the material, please contact us.