



Technical Data Sheet

PERFECT DIGITAL | ECO PAPER

COMPOSTABLE NATURAL UNCOATED 70gsm PD-ECO-NUC-HC

Compostable Natural Uncoated Paper 70gsm
Permanent Home Compostable Adhesive (BioTAK® HC700)
Suitable for Digital Multipurpose Printing (Laser/Copier/Inkjet/Offset)

Perfect Digital Eco Paper **Natural Uncoated 70gsm** is a sustainable, compostable label material produced from 100% recycled content utilising agricultural waste. The leaves and stems remaining after harvest are transformed into high-quality paper, reducing reliance on wood pulp while lowering environmental impact. The material is biodegradable and combined with BioTAK®HC700 adhesive, fully certified for both **industrial EN13432** and **home composting**. Suitable for **direct food contact**, Co2 neutral and can be recycled.

Designed for sustainable labelling applications, this material delivers excellent digital print performance while supporting environmentally responsible packaging solutions.

The sheet is designed to give trouble free running across a wide range of digital sheet fed printers. Trials recommended to ensure suitability.

Face Material

Natural Uncoated 70gsm produced with 100% recycled content, features a subtle textured finish with an unbleached beige appearance. Visible natural fibres create an authentic, premium look that reinforces the sustainability credentials of finished products.

Face Material Properties

Grammage	70 gsm ±3%	Caliper (thickness)	95 microns ±3%	Opacity	97%
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Adhesive

BioTak® HC700 Home Compostable certified, water-based pressure sensitive Permanent Adhesive. NF T51-800 / AS5810 and EN13432 certified, suitable for home and industrial composting.

Also, fully compliant with FDA 175.105 regulations for direct food contact. It is the ideal choice for the environmentally conscious seeking both performance and compostability.

Key features and benefits of BioTAK® HC700

- Home compostable: The adhesive is certified to break down completely in a home composting environment, helping to reduce landfill waste and offering a sustainable alternative to most traditional adhesives.
- Direct food contact safe: Fully compliant with industry safety standards, this adhesive is safe for direct contact with food, making it ideal for packaging labels, fruit labels and other food-related applications.

Disclaimer:

All materials in the Perfect Digital range are manufactured to the highest quality standards and controls. Any material showing an evident manufacturing defect will be replaced promptly without charge. All statements, technical information and recommendations are based on industry standard tests procedures and practical experiences and believed to be reliable but do not constitute a guarantee or warranty. Preliminary tests are recommended for each new application. All information subject to change without notice



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- Superior performance: Besides being compostable, the adhesive retains excellent bonding strength and durability.
- Non-toxic & eco-friendly: Made from renewable, non-toxic materials, this product supports the broader movement toward reducing plastic pollution and promoting circular economies.

Application temp.	Min -5°C to +40°C	Peel adhesion	9 N/25mm	FTM9
Operating temp.	-20°C to +80°C	Shear test	>24h	FITM8

Shelf Life and Storage Conditions

One (1) year from delivery date when stored at the following conditions:

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| ☐ Temperature +5°C/+45°C | ☐ Store away from heaters or direct sunlight or rain |
| ☐ Relative Humidity 45% - 60% | ☐ Keep the sheets flat. Store in the original packaging |
| ☐ Store in a cool dry place | ☐ Material to be acclimatized for at least 24hours to ambient conditions |

Backing

White kraft solventless silicon coated with good lay-flatness & stability characteristics & suitable to back print.

Grammage 87 gsm ±3 Caliper (thickness) 93 microns ±6

Total Thickness of Construction	198microns ±5%	Total Weight of Construction	177gsm±10%
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Printing Recommendations

Always carry out print and application trials to ensure suitability before commencing production.

For optimum performance:

- Use the correct media thickness settings on your press.
- Verify print quality and adhesive performance for the intended application.
- Test compatibility with finishing processes where required.

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