HN1030A
HN1030PCR
HN1030H
HN1030AMG

ECOPET

Eco-Films
Sustainable Plastic Films

SUSTAINABILITY

Helping our customers achieve their sustainable packaging goals.

PRINTABILITY

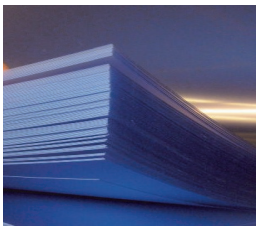
Designed with offset printers in mind, our line of Eco-Films are two side printable via offset lithography.

AVAILABILITY

Hop Industries is pleased to offer same day shipping on common sizes currently being stocked in Lyndhurst, NJ for quick turnaround.

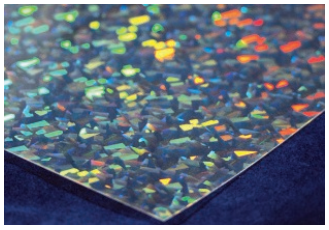
Virgin APET

Designed for printing and folded boxes, our virgin APET material offers customers a more environmentally friendly alternative to traditional substrates such as rigid PVC.



25% PCR APET

Made from recycled plastic beverage bottles, our 25% PCR APET helps our customers achieve their sustainable packaging goals.



Holographic APET

Our holographic APET provides our customers with outstanding shelf presence through the use of eye catching packaging while at the same time remaining environmentally responsible.

Matte/Gloss APET

The consistent smoothness of the matte surface of our matte/gloss APET material reduces any risk of blocking and provides the ink adhesion needed for conventional offset printers.

Hop Industries
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Eco-Films
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Hop Industries Corporation

HN1030PCR

PCRPET

25% Post Consumer Recycled APET

SUSTAINABILITY

Helping our customers achieve their sustainable packaging goals.

PRINTABILITY

Designed with offset printers in mind, our PCR APET film is two side printable via offset lithography.

AVAILABILITY

Hop Industries is pleased to offer same day shipping on common sizes currently being stocked in Lyndhurst, NJ for quick turnaround.

- Hop Industries is pleased to introduce our PCR APET film with 25% post consumer recycled content.
- Made from recycled plastic beverage bottles, our PCR APET helps our customers achieve their sustainable packaging goals.
- Designed for use in the folding box and printing industries, our film offers exceptional clarity and printability.
- Our PCR APET film meets FDA regulations for direct food contact.

The process of engineering more environmentally acceptable packaging starts with selecting the right materials for your package. At Hop Industries, our goal is to provide environmentally friendly plastic film options to our customers to help them meet packaging regulations and also to achieve their individual sustainable packaging goals. With our new 25% post consumer recycled APET, customers will experience the same high level of performance as our virgin APET, while at the same time reducing their environmental impact. By utilizing reclaimed plastic bottle scrap in the production of our PCR APET, we are able to reduce the amount of energy and natural resources needed for manufacturing. In addition, we are hopeful that these recent packaging trends will help to increase the recycling and collection rates of plastic bottles and other plastic packages.

Property	Test Method	Typical Values
Thickness (mils)	**	8.0 ~ 24.0 (sheet)
Thickness tolerance	ASTM D-1593	8.0 ~ 24.0 ± 3%
Width Tolerance	**	± 1/16" (sheet)
Transparency	ASTM D-1003	85 – 92%
Gloss Value (60°)	ASTM-D523	150-180
Specific Gravity	ASTM-D792	1.334
Dyne Level	ASTM D-1003	38 (min)
IV Value		0.67-0.75

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HN1030H

HOLOPET

Clear Holographic APET

PRINTABILITY

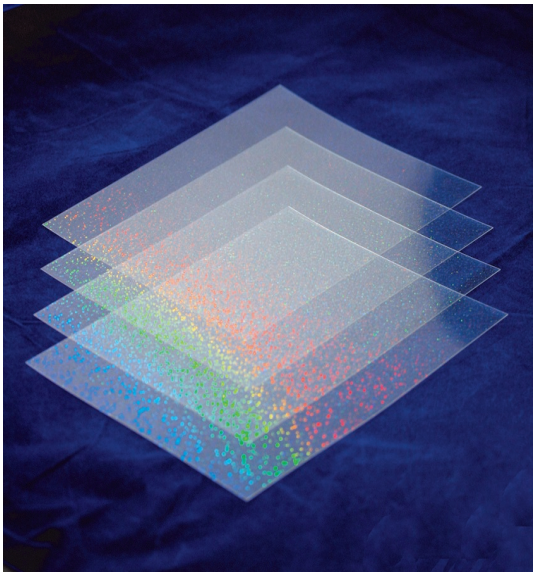
Designed with offset printers in mind, our holographic APET material is two side printable via offset lithography.

ORIGINALITY

Help separate yourself from the competition by offering packaging made from eye-catching holographic substrates.

SUSTAINABILITY

Our polyester based laminate allows our material to retain the number 1 PETE recycling symbol



- Hop Industries is pleased to introduce our clear holographic APET material.
- Manufactured with print treated laminates, our holographic APET is suitable for offset and screen printing.
- Designed for use in the folding box industry, our proprietary laminate will vanish and become crystal clear when a coating is applied.
- Our sheet to sheet lamination process allows us to provide perfectly flat sheets with no roll set or memory.

In order to help our customers better distinguish themselves amongst their competitors, Hop Industries has developed the first clear holographic sheet comprised of 100% PET. Our proprietary polyester based laminate is applied through a sheet to sheet lamination process, which allows us to provide our customers with perfectly flat sheets for printing. Since both the laminate and base films are PET, this material can be labeled and recycled with the number 1 PETE recycling symbol. The one side laminated sheet can be printed via offset lithography on either side of the sheet. Our specialized laminate has been designed to vanish and become crystal clear when a coating is applied, giving our customers a multitude of design options.

Developed for the folding box industry, in addition to its excellent printing properties our clear holographic APET provides excellent impact strength, minimal crease whitening, and easy processing in folding and gluing.

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HN1030AMG

APETMG

Matte/Gloss APET Sheets for Printing and Folded Boxes

- Crystal clear, highly polished surface finish on one side with a smooth matte finish on the reverse side
- Ink adhesion properties designed for both conventional and UV offset lithography
- High slip on both sides of the sheet for ease in processing
- Outstanding impact strength - excellent performance in Gardner Drop Test
- Excellent contact clarity achieved from either side of the sheet
- FDA approved for direct food contact

APET has quickly become a substrate of choice amongst printers due to its versatility and its low impact on the environment. Printers are moving away from more traditional materials like PVC and styrene and substituting APET wherever possible. Up until recently, conventional offset printers have been unable to capitalize on the benefits of APET because of its highly polished surface. Hop Industries has developed an APET sheet with a matte/gloss surface with these conventional offset printers in mind. The nature of this matte surface allows conventional offset printers the opportunity to print on a material that was previously unavailable to them. The consistent smoothness of the matte surface of our new matte/gloss APET is comprised of microscopic peaks and valleys that allows ink to settle in and anchor into the sheet. The matte surface also completely reduces any risk of blocking or processing issues. Conventional offset printers can now run and print an APET sheet with confidence. In addition, the matte/gloss APET exhibits exceptional contact clarity when viewed from either side of the sheet, making it suitable for a multitude of applications.

Property	Test Method	Typical Values
Thickness (mils)	**	8.0 ~ 24.0 (sheet)
Thickness tolerance	ASTM D-1593	8.0 ~ 24.0 ± 3%
Width Tolerance	**	± 1/16" (sheet)
Transparency	ASTM D-1003	≥ 85%
Specific Gravity	ASTM-D792	1.34
Dyne Level	ASTM D-1003	38 / 40
IV Value		0.67-0.73

SUSTAINABILITY

APET is the substrate of choice for printers who are trying to become more environmentally friendly.

PRINTABILITY

Our matte/gloss APET sheets are easily printable via both UV and conventional offset lithography.

CLARITY

Despite its frosted appearance, our matte/gloss APET provides exceptional contact clarity when viewed from either side of the sheet.

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HN1020G

PETG

White Matte/Matte PETG Film

SUSTAINABILITY

Giving our customers more environmentally friendly plastic alternatives.

PRINTABILITY

Designed with offset printers in mind, our white PETG film is two side printable via offset lithography.

DURABILITY

PETG is becoming a more popular choice for plastic cards due to its high mechanical and flexural strength.

- Hop Industries is pleased to introduce our white matte/matte PETG film for printing and laminating.
- Our multi-layered construction provides a heat sealable layer on both sides of the sheet.
- Designed for use in the 60/40 card industry, our white PETG offers exceptional printing and laminating characteristics.
- Our white PETG film is two side printable via offset lithography.

In an effort to produce a more durable, longer lasting plastic card, printers are beginning to explore new and alternative materials as part of their card constructions. One of these new material options is PETG, which is becoming a more widely used material especially in 60/40 card constructions and dye sublimation printers. The high heat resistance that PETG exhibits makes it an ideal substrate since it can withstand the high temperatures involved in the dye sublimation process. Additionally, the PETG material will be able to run through the card lamination process without any risk of heat distortion or bowing. The PETG material is also a more environmentally friendly alternative than traditional card substrates such as rigid PVC. These facts combined with its high mechanical and flexural strength, make PETG an ideal material choice for plastic card manufacturers.

Property	Test Method	Typical Values
Thickness (mils)	**	6.0 ~ 23.5 (sheet)
Thickness tolerance	ASTM-D1593	± 3%
Width Tolerance	**	± 1/16" (sheet)
White Brightness	ASTM-E513	85.1
Optical Density		1.41
Specific Gravity	ASTM-D792	1.331
Dyne Level	ASTM-D1003	40-42
Roughness Average	JIS-B0601	63-78 (CR4)
Roughness Average	JIS-B0601	52-63 (CR5)
Vicat Softening Temp	ASTM-E1525	72.7°C
Folding Endurance		1,112 (MD)
Folding Endurance		676 (CD)
Dimensional Stability	JIS-K6734	-13.0 (MD)
Dimensional Stability	JIS-K6734	+2.0 (CD)
Tensile Strength (MD)	ASTM-D638	471 (kg/cm^2)
Tensile Strength (CD)	ASTM-D638	409 (kg/cm^2)
Elongation @ Yield	ASTM-D638	281% (MD)
Elongation @ Yield	ASTM-D638	260% (CD)

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