



**G1**<sup>®</sup>  
 grade

Folds without scoring



**G2**<sup>®</sup>  
 grade

Massive thickness



**XT**<sup>®</sup>  
 grade

When tear resistance matters



**TO**<sup>®</sup>  
 grade

High opacity stops light



**DL**<sup>®</sup>  
 grade

Bright white surface



**BL**<sup>®</sup>  
 grade

Translucent white

Waterproof - Tear resistant - High dyne level - 100% Recyclable - Environmentally friendly - Temperature resistance from -60°F to 220°F -Meets U.S. Government Printing Office JCP-090 specifications - Toy safety approved - Produced under ISO 9000 standards.

### Inventory

- Over 1 Million Pounds of Inventory
- 100,000 sq. ft. facility
- Shipments within 24 hours
- Standard master rolls (52½", 55" & 61")
- Standard stock sheet size (25x38, 26x40, 28x40)



### Slitting

- Custom rewinding
- Put-up on 3" or 6" I.D. cores
- Slitting capacity 1" up to 60"
- Custom packaging (poker, cradle, pyramid)



### Guillotine Sheeting

- Large format sheets
- Letter size sheets
- Custom sheet capacity (1"x1" up to 60"x83")
- Custom packaging can be made to meet your requirements





G1 GRADE - Folds without scoring

G1<sup>®</sup>  
grade

Folds Without Scoring

One of the greatest benefits of Hop-Syn G1 is its ability to fold. No other synthetic paper can fold as easily and be folded at high speed without scoring. Just imagine the cost savings to your production process when you do not have to machine score.

#### Advantages

- Folds like wood based paper without scoring
- High scuff, tear & weather resistance
- High opacity for two sided printing
- Super smooth white matte surface
- Excellent printability

#### Construction

- Single layered mineral filled polypropylene

#### Manufacturing Process

Calender

#### Thickness Range

3.3 mil to 7.5 mil

*In-house custom sheeting, trimming and slitting services compliment our large inventory. Call for details.*

Flexography     Offset Lithography

Screen     Thermal Transfer     UV Inkjet

Maps - Charts - Safety Manuals - Military Manuals - Perforated Coupon Book  
Schematic Pamphlets - Tape Measures - In-Mold Labels



G1<sup>®</sup>  
grade

FOLDS WITHOUT SCORING



## MASSIVE THICKNESS



G2 GRADE - Massive thickness



### Massive Thickness

Hop-Syn G2 synthetic paper is the heaviest gauge synthetic paper in the market today. With Hop-Syn G2 synthetic paper, you can achieve the thickness that your application requires without having to incur the added costs of lamination and without having to explore alternative substrates.

#### Advantages

- Calipers above and beyond competitors
- Eco-friendly alternative to styrene, vinyl & lamination
- High scuff, tear & weather resistance
- High opacity for two sided printing
- Super smooth white matte surface
- Excellent printability

#### Construction

- Single layered mineral filled polypropylene

#### Manufacturing Process

Calender

#### Thickness Range

12 mil to 35 mil

*In-house custom sheeting, trimming and slitting services compliment our large inventory. Call for details.*

Flexography     Offset Lithography

Screen     Thermal Transfer     UV Inkjet

Menus - I.D. Cards - Shelf Talkers - P.O.P Displays - Loyalty Cards - Book Covers  
Table Tents - Folded Boxes - Retail Packaging - Membership Cards - Safety Cards - Hang Tags





When Tear Resistance Matters

Hop-Syn XT synthetic paper has the printing performance that you would expect from a fine offset paper, but with the extra tear strength that your demanding applications require. Hop-Syn XT offers excellent value when you need high quality images to last through a demanding environment or production process.

Advantages

- UV Resistant outdoor up to 1 year
- Extreme tear resistance in both directions
- May be sewn or grommetted
- High scuff, tear & weather resistance
- High opacity for two sided printing
- Super smooth white matte surface
- Excellent printability

Construction

- Single layered mineral filled polypropylene

Manufacturing Process

Calender

Thickness Range

4 mil to 10 mil

*In-house custom sheeting, trimming and slitting services compliment our large inventory. Call for details.*

Flexography     Offset Lithography

Screen     Thermal Transfer     UV Inkjet

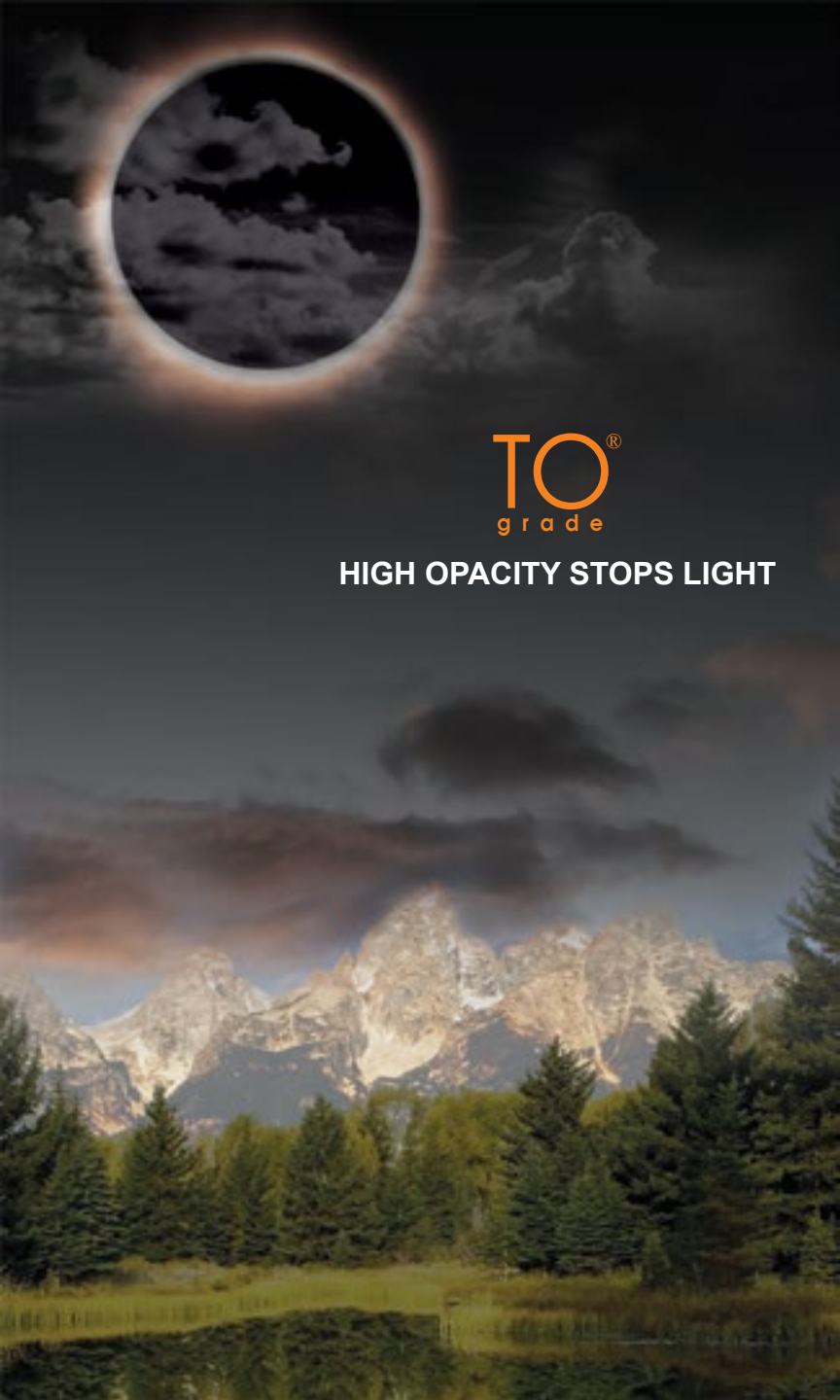
Menus - I.D. Cards - Shelf Talkers - P.O.P Displays - Loyalty Cards - Hang Tags  
Book Covers - Banners - Posters - Signage - Safety Cards - In-Mold Labels



XT GRADE - When tear resistance matters



WHEN TEAR RESISTANCE MATTERS



## HIGH OPACITY STOPS LIGHT

TO GRADE - High opacity stops light



High Opacity Stops Light

Hop-Syn TO synthetic paper has everything you expect from a synthetic paper. It is durable in harsh environments, has a smooth white surface for great images and is easy to process. In addition, under direct light, Hop-Syn TO synthetic paper has the opacity to prevent reverse side images from showing through.

### Advantages

- UV Resistant outdoor up to 1 year
- High opacity prevents light from passing through
- May be sewn or grommetted
- High scuff, tear & weather resistance
- Super smooth white matte surface
- Excellent printability

### Construction

- Single layered mineral filled polypropylene

### Manufacturing Process

Calender

### Thickness Range

8 mil to 10 mil

*In-house custom sheeting, trimming and slitting services compliment our large inventory. Call for details.*

- Flexography
- Offset Lithography
- Screen
- Thermal Transfer
- UV Inkjet

Large Format Banners - Display Signage - Pennants - Window Posters  
In Store Signage - Retail Signage - P.O.P. Displays - Oversize Graphics





## BRIGHT WHITE SURFACE

DL GRADE - Bright white surface



Hop-Syn DL grade is a synthetic paper that is light enough to float on water, but still strong enough to withstand water, grease, chemicals, sunlight and tearing. It has high brightness and opacity to yield high color resolution images with superb print definition.

### Advantages

- Uniform clay coating on two sides
- High tear resistance
- Low density for easy material handling and low shipping costs
- 96% Brightness for photographic quality images
- Economically priced against leading competitors
- High opacity for two side printing
- Excellent printability

### Construction

- Multi layered biaxially oriented polypropylene with cavitated center

### Manufacturing Process

- Extrusion

### Thickness Range

3.1 mil to 8 mil

*In-house custom sheeting, trimming and slitting services compliment our large inventory. Call for details.*

- Flexography
- Offset Lithography
- Screen
- Thermal Transfer
- UV Inkjet

Maps - Charts - Safety Manuals - Military Manuals - Perforated Coupon Book  
Text Pages - Tape Measures - In-Mold Labels



**TRANSLUCENT WHITE**



BL GRADE - Translucent white



Hop-Syn BL is a white translucent synthetic paper designed for printing back light signs and displays. The BL grade is a durable weather resistant substrate that has the printability of fine offset paper, the heat resistance to be in a light box, the UV resistance to be outdoor one year, and the superior strength expected from plastic.

**Advantages**

- UV resistant outdoor up to one year
- Temperature resistant from -60°F up to 220°F
- Anti-static surface for easy material handling and processing
- Economically priced against leading competitors
- Excellent high impact and tear resistance
- Super smooth white matte surface
- Excellent printability

**Construction**

- Single layered mineral filled polypropylene

**Manufacturing Process**

Calender

**Thickness Range**

8 mil to 15 mil

*In-house custom sheeting, trimming and slitting services compliment our large inventory. Call for details.*

Flexography     Offset Lithography

Screen     Thermal Transfer     UV Inkjet

Back Lit POS Signage - Menu Boards Transit Signs - Back Lit Entertainment Displays  
Airport Displays - Retail Store Displays - Public Advertisements - Trade Show Graphics  
Fine Art Displays - Translucent Bus Shelter Displays



## Environmental Statement

Hop-Syn synthetic papers are environmentally friendly substrates. All Hop-Syn grades are made from a combination of polypropylene (PP) and / or polyethylene (PE). PP and PE resins are recognized by CONEG as environmentally friendly and 100% recyclable.

### Environmental Benefits of Hop-Syn Synthetic Paper

- Hop-Syn is a 100% tree and pulp-free synthetic paper, which results in conservation of forests, water and the protection of wild life that depend on our natural resources.
- Hop-Syn contains no ozone-threatening emissions in its manufacturing or recycling process.
- Hop-Syn is manufactured from 100% polypropylene resin and calcium carbonate and is 100% recyclable.
- Hop-Syn when incinerated generates no sulfur, nitrogen or dioxin gases.
- Hop-Syn is chlorine free and contains no stearates that would be detrimental to the environment. It uses very little water, which results in the preservation of our Earth's water resources.
- Hop-Syn's durability and material composition yield products that have extremely long wear and stay out of the waste stream longer.
- Hop-Syn's product process recycles its trim waste during the manufacturing process to produce 100% of our Hop-Syn product without waste.
- Hop-Syn is free of toxins and heavy metals.
- Hop-Syn does not contain any plasticizer or phthalates.

Hop Industries Corporation's respect for the environment is reflected in the synthetic paper products that we manufacture. Our company is committed to developing products that will benefit our customers and show a continuing concern for the environment.



The Application Specific Synthetic Papers



 **Hop Industries Corporation**

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