

## Print Substrate Comparison: Rigid White Films

A point by point feature comparison between our stocked Rigid White Print films against more damage and weather-sensitive styrene films. Pick the right film for the job without compromise.

Quality and environmentally conscious materials for optimal performance at the ideal price.



### PP

Polypropylene

Food Contact Safe  
Environmental Profile  
Folds & Scores Best  
Outdoor Use



White

Various Opacities  
.016 to .040

#### Printability

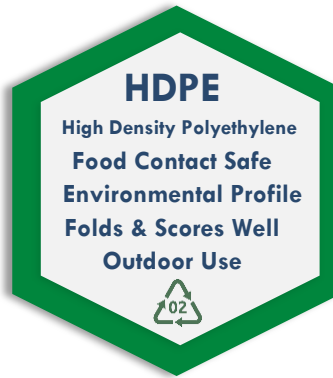
- 0% LT Dead White
- 10% LT Near Dead
- 20% LT Double Opaque
- Offset - Inkjet - Screen
- Wide Format Available
- Two Side Printable
- 1 Year Corona Shelf Life
- Outdoor Use for 1 Yr.
- Indoor Use 3 Yrs. with No Direct Sunlight
- Smooth for Optimal Press Performance
- Requires less ink - has Superior Ink Adhesion
- UV Resistant
- No Yellowing or Fading

#### Performance

- Best for folding, scoring, die-cutting, punching, embossing & foil stamping.
- High Impact
- Abrasion Resistant
- Resists Stress Cracking, Fatigue & Wear Best
- Good Moisture Resistance

#### Environmental

- Contains 10 - 20 % Internally Recycled Content
- Highly Recyclable
- US FDA & EU Food Contact Compliant
- Meets EU RoHS, REACH & CA PROP 65



### HDPE

High Density Polyethylene  
Food Contact Safe  
Environmental Profile  
Folds & Scores Well  
Outdoor Use



White • Natural • Black  
.023 & .035  
Various Finishes

#### Printability

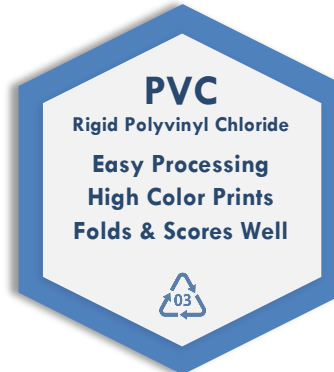
- Offset - Inkjet - Screen
- Wide Format Available
- Two Side Printable
- 1 Year Corona Shelf Life
- Outdoor Use for 1 Yr.
- UV Resistant
- No Yellowing or Fading

#### Performance

- Performs well in folding, scoring, die-cutting, punching, embossing and foil stamping.
- High Impact Capabilities even in Low Temperatures
- Ideal slip
- Excellent Hinge Properties
- Abrasion Resistant
- Resists Stress Cracking, Fatigue & Wear Well
- Resistant to Solvents and Acids
- Good Moisture Resistance

#### Environmental

- Contains 35 % Internally Recycled Content
- Highly Recyclable
- US FDA & EU Food Contact Compliant
- Meets EU RoHS, REACH & CA PROP 65



### PVC

Rigid Polyvinyl Chloride

Easy Processing  
High Color Prints  
Folds & Scores Well



Near Dead White  
.010 to .029

#### Printability

- Offset - Inkjet - Screen
- Wide Format Available
- Two Side Print Treated
- Ideal for High Color Print Jobs - does not embrittle
- Superior Opacity & Brightness at lower gauges
- Easy to process & user friendly
- No Yellowing or Fading

#### Performance

- High Impact
- Good Stiffness & Stability
- Performs well in folding, scoring, die-cutting, punching, embossing and foil stamping.
- Resists Stress Cracking
- Best Moisture Resistance

#### Environmental

- Fair Recyclability - Rigid PVC has no phthalates
- Meets EU RoHS & CA PROP 65



### STYRENE

Low Color Prints  
UV Sensitive  
No Folding or Scoring  
Poor Recyclability



#### Printability

- Dead White - Near Dead Double Opaque - Standard
- Indigo - Offset - Inkjet - Screen
- Corona shelf life varies
- UV sensitive
- Yellows and fades
- Embrittles under UV light or in low temperatures
- High color prints not recommended.

#### Performance

- Higher gauge required for better stiffness
- Brittleness increases as opacity increases
- Tears, scuffs, scratches and cracks easily
- Once embrittled may shatter on impact or in low temps
- Cannot be Folded or Scored
- Fair Moisture Resistance

#### Environmental

- Poor recyclability
- Food contact & Regulatory compliance varies



**1-888-782-8323** For more information on our print films, contact your PVC Tech Representative today.