ENHANCE YOUR PACKAGING WITH YUPO® IML.

Enhance your brand equity and bottle design options by choosing an in-mold label. Add bling to your package with in-mold labeling which can be printed with fluorescent and metallic inks, foil stamped, metallized, coated, spot-coated or crafted using any other converting option you desire.

IML – What is it?
In-mold labeling (IML) is a pre-decorating technique during which a label is placed in the open mold and becomes an integral part of the molded object when the bottle is blow molded or the container is injected. YUPO® IML becomes part of the container itself, thereby resulting in superior performance.

Why choose YUPO® IML?
Because industry leaders follow the leader.

Many of the world's leading brand owners choose YUPO IML. By meeting the rigorous demands of our clients and maintaining our commitment to research and development, Yupo Corporation is able to offer the very latest in label and packaging solutions with benefits that far exceed those of competitors.
Cost Benefits:

• Lower per-unit label cost than post-mold alternatives
• Higher packaging line speeds and efficiency
• No post-mold labeling stations, maintenance or manpower requirements
• Replaces traditional paper IML at a total lower cost

Marketing and Aesthetic Benefits:

• Opportunity for brand differentiation
• Flexibility for package design
• Integrates with bottle for no-label look and feel
• Resists moisture, chemicals and scratching
• Superior resistance to scuffing, gouging and blistering
• Superior graphics on both large and small bottles
• No peeling, flagging or curling associated with post-mold labels
• Package safety – consumer cannot remove label, meeting many safety regulations
• Superior for filled squeeze bottles

Process Benefits:

• YUPO IML is pre-optimized and requires no adhesive coating
• IML eliminates waste associated with release liners
• Recyclable with bottle and cap

YUPO® IML – Many grades. Many solutions.

YUPO IML continues to lead the industry in solutions for both blow and injection molding by offering a multitude of benchmark grades that are pre-optimized and ready for direct application. These include:

• AISE – HDPE Bottles
• IZE – PP Bottles, Hot Fill
• AIUE – HDPE Bottles – Smooth, No-Label Look
• UAIB – Clear, No Bottle-to-Label Color Matching
• Specialty – Includes Holographic, Silver and Metallized
• Custom – Developed and Designed Specifically for your Application
• And More – See Chart for all Grades

Sustainability benefits of YUPO® IML.

Are you concerned about the environment? YUPO substrates offer designers and manufacturers significant sustainability benefits and value.

• Completely liner free
• 100% tree free
• Preferred by recycling companies – no extra heat needs to be added to remove the label before regrinding
• Lower waste at all levels of the supply chain
• Bottle resin savings
# IML PRODUCT COMPARISON CHART

<table>
<thead>
<tr>
<th>Grade Family</th>
<th>ITE</th>
<th>AISE</th>
<th>AIUE</th>
<th>IZE</th>
<th>UAIB</th>
<th>AIFR</th>
<th>LJIR</th>
</tr>
</thead>
<tbody>
<tr>
<td>Label Type</td>
<td>Opaque</td>
<td>Opaque</td>
<td>Opaque</td>
<td>Opaque</td>
<td>Clear</td>
<td>Opaque</td>
<td>Opaque</td>
</tr>
<tr>
<td>Thickness (micron)</td>
<td>105</td>
<td>105</td>
<td>80, 105</td>
<td>105</td>
<td>80, 100, 120</td>
<td>120</td>
<td>80</td>
</tr>
</tbody>
</table>

## MOLDING PROCESS

<table>
<thead>
<tr>
<th>Bottle/Part Resin Type</th>
<th>Blow Molding</th>
<th>Injection Molding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bottle/Part Resin Type</td>
<td>HDPE</td>
<td>PE, PP</td>
</tr>
<tr>
<td>Bottle/Part Resin Type</td>
<td>HDPE</td>
<td>PE, PP</td>
</tr>
<tr>
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<td>PE, PP</td>
</tr>
<tr>
<td>Bottle/Part Resin Type</td>
<td>PP</td>
<td>PE, PP</td>
</tr>
<tr>
<td>Bottle/Part Resin Type</td>
<td>HDPE, PP</td>
<td>PE, PP</td>
</tr>
</tbody>
</table>

## PRINTING PROCESS

| Conventional | ✔️ | ✔️ | ✔️ | ✔️ | ✔️ | ✔️ | ✔️ |
| UV Offset | ✔️ | ✔️ | ✔️ | ✔️ | ✔️ | ✔️ | ✔️ |
| UV Flexo | ✔️ | ✔️ | ✔️ | ✔️ | ✔️ | ✔️ | ✔️ |
| Gravure | ✔️ | ✔️ | ✔️ | ✔️ | ✔️ | ✔️ | ✔️ |

## DIE CUTTING

| Rotary | ✔️ | ✔️ | ✔️ | ✔️ | ✔️ | ✔️ | ✔️ |
| High Dies / PMC | ✔️ | ✔️ | ✔️ | ✔️ | ✔️ | ✔️ | ✔️ |

## PERFORMANCE

<table>
<thead>
<tr>
<th>Surface Texture</th>
<th>Blow Molding</th>
<th>Injection Molding</th>
<th>Anti-Stat</th>
<th>Blow Molding Window</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Textured</td>
<td>Smooth</td>
<td>Print side only</td>
<td>Moderate</td>
</tr>
<tr>
<td></td>
<td>Textured</td>
<td>Smooth</td>
<td>Both sides</td>
<td>Large</td>
</tr>
<tr>
<td></td>
<td>Smooth</td>
<td>Smooth</td>
<td>Both sides</td>
<td>Limited</td>
</tr>
<tr>
<td></td>
<td>Textured</td>
<td>Smooth</td>
<td>Both sides</td>
<td>Large</td>
</tr>
<tr>
<td></td>
<td>Smooth</td>
<td>Smooth</td>
<td>Adh. side only</td>
<td>Large</td>
</tr>
<tr>
<td></td>
<td>Smooth</td>
<td>Smooth</td>
<td>Print side only</td>
<td>Limited</td>
</tr>
</tbody>
</table>

* Requires corona treatment prior to printing.
LET YOUR BRAND SHINE THROUGH.

YUPOUltraClear®

The premium, ultra clear, synthetic label substrate for use in IML bottle processes. With YUPOUltraClear, you have the unique opportunity to showcase your product on the shelf like never before.

- Eliminates bottle-to-label color matching – YUPOUltraClear allows your bottle’s exact resin color to show through the YUPO label, giving your design more brand power
- Is the IML option that resists scratching and fading, giving you added control of your bottle design and shelf appeal
- Features a beautiful, ultra-clear, no-label look
- Sizes manufactured to fit your needs – small and large quantities available

HAVE YOU SEEN OUR OTHER GRADES?

COMMERCIAL – brochures, POP, banners, outdoor applications, backlit posters, tags, shelf talkers and much more
PUBLICATIONS – book covers, manuals, annual reports
CONVERTED – envelopes, bags, business cards

AND SO MUCH MORE!

Tulip
Morning Glory
Flowers
Rose

AND SO MUCH MORE!
YOUR TOTAL PACKAGE PARTNER IN LABEL RESOURCES.

Yupo Corporation’s commitment to you starts at our very first moment of contact. Our consulting and technical teams are ready to answer any questions and help you develop a package solution that is the right fit for your product and branding needs. We work closely with molders, printers and other supply chain partners to ensure that your project will be efficient, profitable and successful.

READY TO DISCUSS YOUR PACKAGING AND LABELING NEEDS?

For samples, more information or to talk with one of our team members, contact us today.

Call 888.873.9876 or visit www.yupousa.com