Warm Water Soluble Domestic Laundry Bag
Suitable for domestic washing machine cycles - fully soluble, does not clog filters or leave residue on clothing

Key Benefits
- Warm water soluble
  - Bags fully dissolve safely at ≥40°C/104°F however a wash cycle of 60°C/140°F is recommended to kill pathogens.
  - Physical handling of laundry reduced as closed bags can be put directly into washing machines.
  - Bags can take damp or wet garments/laundry.
  - Does not clog filters or leave residue on clothing
- Reduces risk of infection transmission
  - Hydropol material is a hydrophilic polymer. This gives an effective barrier against pathogens, reducing the time any infection pathogens will dwell on the material and lowering the risk of transmission compared to hydrophobic polymers e.g. polythene.
- Strength
  - No need to double bag due to strength, puncture resistance and durability
- Clarity
  - Ability to see contents clearly
  - Excellent transparency with over 90% transmission rate when tested to ASTM D1003 verified to ISO 14782
- Easy to open, straight from the box.
- Conforms to the NHS Executive Guidelines
  - HSG (95) 18 - Hospital Laundry Arrangements for Used and Infected Linen
- Ideal for single-use applications without negative environmental impact
  - Replacing polyethylene bags with Hydropol bags saves potentially contaminated polyethylene from landfill/incineration.

Standard sizes
- W 660mm (26") x L 840mm (33") x 25µ (Large)
- W 560mm (22") x L 710mm (28") x 25µ (Medium)
- W 350mm (14") x L 500mm (20") x 25µ (Small)

Material specification
Hydropol™ 33100 series – fully soluble at ≥40°C/104°F however a full wash cycle of 60°C/140°F is recommended to kill pathogens.

User instructions to be included on the bag
Domestic Use: Warm Water-Soluble Laundry Bag
Hydropol™ bags will become more pliable and gain toughness as they are exposed to the atmosphere. Handle the bags gently as you unpack them and allow them a short time to acclimatise before use.
- Avoid touching the soluble bags with wet hands
- Place clothing in bag; do not overfill the bag
- When supplied, close the bag with the water-soluble tie attached. Never make a knot with the bag
- Keep filled bags dry during storage and transport
- Place the bags, still closed, into a washing machine
- Wash on a full cycle at ≥40°C/104°F, preferably with detergent. A wash cycle of 60°C/140°F is recommended to kill pathogens.
- Do not fill the washing machine to more than the advised capacity and always maintain the correct water level.

Ordering Requirements
Order must state:
- Bag size.
- Packing requirements i.e. number of bags per pack and whether in a roll or flat/ folding requirement etc
- Print requirement (if any; if no print needed state unprinted); can be bespoke, printing plate charges may be incurred.
- Colour of print e.g. red Pantone 199 for laundry bags or purple Pantone reference 527 for cytotoxic use.
- Bag tie form (option perforated tear-off tie or no tie). Figure #1, Figure #2 and Figure #3 show positions for perforations when this option is chosen.
- Bag format- bottom or side weld.

Bag Specifications
The dimensions below are based on a standard Hydropol™ laundry bag made using a bottom weld but can be used as the base specification for any customer sized laundry bag. Side weld bags can also be made to the same dimensions.

Final bag specification to be agreed between customer and manufacturer.
Print Requirements
(Where print is specified)
See Figures #1, #2 & #3 below for suggested artwork

Considerations for bespoke print
- Ink type - water-based or solvent based
- Ink density/opacity of print
- Percentage ink coverage (suggest <10%).

Bag Quality Requirements

<table>
<thead>
<tr>
<th>Standard</th>
<th>UOM</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clarity – light transmittance</td>
<td>&gt;90%</td>
<td>%</td>
</tr>
<tr>
<td>Width</td>
<td>Tolerance +/- 5%</td>
<td>mm/in</td>
</tr>
<tr>
<td>Gauge</td>
<td>Average Tolerance +/- 10%</td>
<td>μm</td>
</tr>
<tr>
<td>Bag Length</td>
<td>Tolerance +/- 5%</td>
<td>mm/in</td>
</tr>
<tr>
<td>Quality Standards</td>
<td>To be agreed between customer and manufacturer</td>
<td></td>
</tr>
<tr>
<td>Solubility</td>
<td>APL SOP test 4 film solubility test</td>
<td>Pass Must dissolve fully leaving no residue to clog filters etc</td>
</tr>
<tr>
<td>Ease of Opening</td>
<td>APL SOP 17</td>
<td>Pass Easy opening</td>
</tr>
<tr>
<td>Bottom seal</td>
<td>Bottom must be completely sealed</td>
<td>APL SOP 18</td>
</tr>
<tr>
<td>Tie strip (if required)</td>
<td>Tie must be easily removed manually without damaging either tie or bag.</td>
<td>Visual Perforated tear-off tie recommended</td>
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</table>
Packaging Requirements
- Not suitable for vacuum packing
- New, undamaged carton
- Carton to be lined with a standard PE outer and taped/tied with air-tight sealing, PE outer can be recycled
- Label to identify size (Large, Medium, Small), thickness (µm) and material (Hydropol 33100 series) plus instructions by customer.

Supplementary Information attached
Example artwork:
- Figure #1 Example artwork – large bag
- Figure #2 Example artwork – medium bag
- Figure #3 Example artwork – small bag.
Figure #1
Example artwork – large bottom seal bag

Large Hydropol Bag
660mm (w) x 840mm (h)
Figure #2
Example artwork – medium bottom seal bag

Medium Hydropol Bag
560mm (w) x 710mm (h)

Domestic Use – Warm Water Soluble Laundry Bag

Hydropol™ bags will become more pliable and gain toughness as they are exposed to the atmosphere. Always dry bags gently so you retain their natural properties

- Avoid touching the soluble bags with wet hands
- Place clothing in bag; do not stuff the bag
- GUIDE THE BAG WITH THE WATER-SOLUBLE PART ATTACHED. Never make a seal with the bag
- Keep filled bags dry during storage and transport
- Place the bags, still sealed, into a washing machine
- DO NOT USE BAGS IN ANY ELECTRICALLY HEATED DRYERS. Detergent in warm cycle of NFC/HE hot
- is recommended to kill pathogens
- Do not fill the washing machine to more than the allowed capacity and always maintain the correct water level

Water Soluble

WARNING
TO AVOID DANGER OF SUDDEN INCREASE DURING WASHING, KEEP IMPACTING OBJECTS AWAY FROM CHILDREN.

AVERTIZIRE
SĂ ÁRĂTGĂ IGEŞTI PROCEPĂTOARELE DAc LED, CABLUL DE PERSOANELOR CARE INTERACTUA CU PROIECTUL DE PĂDUCĂ.

COLOUR PRINT GUIDE
- HYDROPOL: PANTONE 288
- CYCOTONE: PANTONE 627
- HOT WATER SOLUBLE: PANTONE 198
Figure #3
Example artwork – small bottom seal bag

Small Hydropol Bag
350mm (w) x 500mm (h)

Domestic Use - Warm Water Soluble Laundry Bag

WARNING
To avoid danger of suffocation, please keep this bag away from babies and small children.

HYDROPOL: DF PANTONE 295 (DG)
CYOTOXIC: PANTONE 537 (DG)
HOT WATER SOLUBLE: PANTONE 199

COLOUR PRINT GUIDE