



Hot Water Soluble Industrial Laundry Bag

Suitable for industrial washing machine cycles - fully soluble, does not clog filters or leave residue on laundry

Key Benefits

- Hot water soluble
 - Bags fully dissolve safely at $\geq 70^{\circ}\text{C}/158^{\circ}\text{F}$
 - 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 in machine or 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.
- Ideal for single-use applications without negative environmental impact
 - Replacing polyethylene bags with Hydropol bags saves potentially contaminated polyethylene from landfill/incineration
- 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

Bag Specifications

The dimensions below are based on a standard Hydropol™ laundry bag but can be used as the specification for any customer sized laundry bag.

Final bag specification to be agreed between customer and manufacturer.

Standard size

W 660mm (26") x L 840mm (33") x 25 μ (Large)
W 710mm (28") x L 990mm (39") x 25 μ (X Large)

Material Used

Hydropol™ 30100 series – fully soluble at $\geq 70^{\circ}\text{C}/158^{\circ}\text{F}$

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 for perforated tear off tie or no tie). Figure #1 shows positions for perforation when this option is chosen.
- Bag format e.g. bottom or side weld.

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%)

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 (X Large), thickness (μm) and material (Hydropol 30100 series) plus instructions by customer

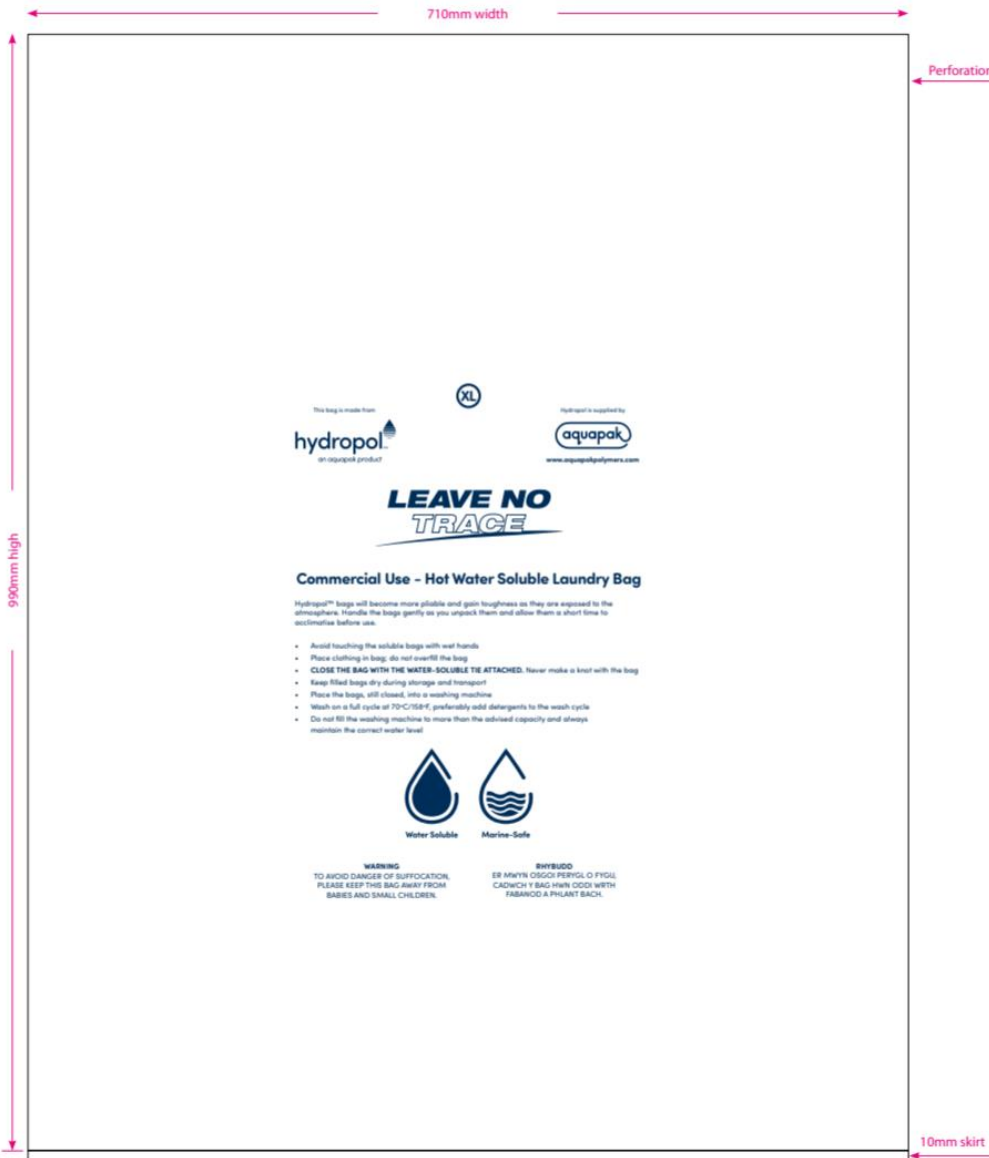
Bag Quality Requirements

	Standard	UOM	Notes
Clarity – light transmittance	>90%	%	ASTM D 1003
Width	Tolerance +/- 5%	mm/in	
Gauge	Average Tolerance +/- 10% Spot Tolerance +/- 20%	µm	
Bag Length	Tolerance +/- 2%	mm/in	Measurement from top of bag to base seal (not including skirt)
Quality Standards	To be agreed between customer and manufacturer		
Solubility	APL SOP test 4 film solubility test	Pass	Must dissolve fully leaving no residue to clog filters etc
Ease of Opening	APL SOP 17	Pass	Easy opening
Bottom seal	Bottom must completely sealed	APL SOP 18	
Tie strip (if required)	Tie must be easily removed manually without damaging either tie or bag.	Visual	Perforated tear-off tie recommended

Figure #1
Example artwork – XL bag

XLarge Hydropol Bag

710mm (w) x 990mm (h)



COLOUR PRINT GUIDE

■ HYDROPOL: PANTONE 295 ■ CYTOTOXIC: PANTONE 527 ■ HOT WATER SOLUBLE: PANTONE 199

