



Domestic Laundry Bags

Made from Hydropol™ using Aquapak's patent-protected technology

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Key benefits

- Physical handling of laundry reduced as closed bags can be put directly into washing machines.
- Strong and safe to take clothing home and wash.
- Excellent barrier properties minimises the risk of cross-contamination during travel and into the home.
- 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
- Easy to open, straight from the box.
- No need to double bag due to strength, puncture resistance and durability.
- Fully water soluble at $\geq 40^{\circ}\text{C}/104^{\circ}\text{F}$ however a wash cycle of $\geq 60^{\circ}\text{C}/140^{\circ}\text{F}$ (usually the hot water cycle in the USA) is recommended to kill pathogens.
- Reduces machine cleaning / maintenance as bag completely dissolves with no residue to remove from the machine.
- Excellent transparency with over 90% transmission rate when tested to ASTM D1003 verified to ISO 14782.



What our users say



“This (Hydropol) bag is much easier to open up, has no odor when I opened the bag unlike my current bags that have a vinegar smell and super annoying to try and separate from itself.”

Nurse, Trinity Healthcare (Massachusetts, USA)

“They did exactly what they’re supposed to do ...disappeared and passed the test!”

District Manager, Crown Uniform & Linen Service, CT, USA

“Hot water soluble Hydropol bags save over 20,000 bags of linen from incineration and minimise the risk of **[New South Wales](#)** healthcare team being exposed to contaminated linen” **David Beaver, DB Packaging**

How to Order

Email: info@aquapakpolymers.com

Call: **Europe** +44 121 516 5656 **Asia** +65 975 53 203 **USA** +1 413 246 4452



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Key Technical Facts

Aquapak Hydropol™ Domestic Laundry Bags

Material: Hydropol™ 33100 series

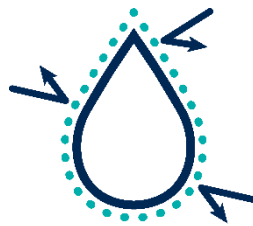
- PVOH base resin well established as safe and non-toxic, marine-safe.
- Hydrophilic (water-loving) so does not attract toxins and does not form harmful microplastics.
- High bi-axial strength and puncture resistance (x2.5 strength HDPE by weight).
- Oxygen barrier (equivalent to EVOH), solvent, petrochemical, grease and oil barrier.
- UV resistance.
- Clear film with excellent anti-static properties.
- Can be printed on directly, excluding the need for air plasma ('corona') treatment, and good for heat sealing.



Marine-Safe



Anaerobic
Digestion



Excellent barrier
properties



Transparent



UV resistant

End-of-life

- Designed to be soluble in warm water. Hot water soluble at $\geq 40^{\circ}\text{C}/104^{\circ}\text{F}$ however a wash cycle of $\geq 60^{\circ}\text{C}/140^{\circ}\text{F}$ (usually the hot water cycle in the USA) is recommended to kill pathogens.
- The dissolved polymer is non-toxic and passes through to the waste water treatment plant where it then harmlessly degrades into CO_2 , water and mineralised biomass.
- If used for non-laundry, bags are sortable in recycling plants through its own infrared signature.



Warm
Water Soluble

Technical data

For Technical Data Sheets, Material Safety Data Sheets and White papers, please visit <https://www.aquapakpolymers.com/technical/>

Case Studies

Please visit <https://www.aquapakpolymers.com/products/laundry-bags/>

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Aquapak

A real solution to the world's plastic pollution crisis



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