



# Hydropol Resin

A water soluble, biodegradable material that can create a range of packaging products that are designed to eliminate plastic pollution at source

Hydropol is a high strength material which offers excellent barriers to oxygen, grease and fats.

	Hydropol Resin Grade	Potential Applications	Water Solubility Temperature (25µm film)	Anti-block levels	Melt Flow Index g/10mins
Hot Water Soluble	30124	Mono-blown film <ul style="list-style-type: none"> <li>- Garment bags</li> <li>- Soluble Laundry Bags</li> <li>- Anaerobic Digestion</li> <li>- Aprons/Gloves</li> <li>- Anti-static bags</li> </ul>	>70°C	0.3%	3 - 4.5 (230°C, 10kg)
	30164P	Mono-blown film <ul style="list-style-type: none"> <li>- Garment bags</li> <li>- Soluble Laundry Bags</li> <li>- Anaerobic Digestion</li> <li>- Aprons/Gloves</li> <li>- Anti-static bags</li> </ul> Co.ex. blown film <ul style="list-style-type: none"> <li>- Multi-layer film structures</li> </ul> Injection Moulding	>70°C	0.3%	5 - 6.5 (230°C, 10kg)
Warm Water Soluble	33103P	Co.ex. blown film <ul style="list-style-type: none"> <li>- Paper Lamination</li> <li>- Multi-layer film structures</li> </ul> Injection Moulding	>30°C	0.3%	12 - 14 (230°C, 10kg)
	33104P	Mono-blown film <ul style="list-style-type: none"> <li>- Soluble Laundry Bags</li> </ul> Co.ex. blown film <ul style="list-style-type: none"> <li>- Paper Lamination</li> <li>- Multi-layer film structures</li> </ul>	>40°C	0.5%	3.5 – 6.5 (230°C, 10kg)
	33105P	Co.ex. blown film <ul style="list-style-type: none"> <li>- Paper Lamination</li> <li>- Multi-layer film structures</li> </ul> Injection Moulding	>40°C	none	5 - 7 (230°C, 10kg)
	33108P	Mono-blown film <ul style="list-style-type: none"> <li>- Soluble Laundry Bags</li> </ul> Co.ex. blown film <ul style="list-style-type: none"> <li>- Paper Lamination</li> </ul> Multi-layer film structures	>25°C	1.0%	21-22 (230°C, 10kg)
	33205P	Direct extrusion coating onto paper and board Injection Moulding	>40°C	none	25-37 (210°C, 2.16kg)
	33105P-ABX	Masterbatch <ul style="list-style-type: none"> <li>- Anti-blocking for bags</li> <li>- High slip (reduced CoF) for lamination</li> </ul>	NA	10%	NA
	43205-R	Red Masterbatch for use with WWS Hydropol grades	NA	NA	NA