



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	30164P	Mono-blown film <ul style="list-style-type: none"> - Garment bags - Soluble Laundry Bags - Anaerobic Digestion - Aprons/Gloves - Anti-static bags Co.ex. blown film <ul style="list-style-type: none"> - Multi-layer film structures - Barrier films Injection Moulding	>70°C	0.3%	5 – 8.5 (230°C, 10kg)
Warm Water Soluble	33103P	Co.ex. blown film <ul style="list-style-type: none"> - Paper Lamination - Multi-layer film structures 	>30°C	0.3%	13.5 - 20 (230°C, 10kg)
	33104P	Mono-blown film <ul style="list-style-type: none"> - Soluble Laundry Bags Co.ex. blown film <ul style="list-style-type: none"> - Paper Lamination - Multi-layer film structures - Barrier films 	>40°C	0.5%	4.5 – 10.5 (230°C, 10kg)
	33105P	Co.ex. blown film <ul style="list-style-type: none"> - Paper Lamination - Multi-layer film structures Injection Moulding	>40°C	none	5 - 8 (230°C, 10kg)
	33108P	Mono-blown film <ul style="list-style-type: none"> - Soluble Laundry Bags Co.ex. blown film <ul style="list-style-type: none"> - Paper Lamination - Multi-layer film structures 	>25°C	1.0%	15-23 (230°C, 10kg)
	33212P	Direct extrusion coating onto paper and board Injection Moulding	>40°C	none	12.5-16.5 (210°C, 2.16kg)

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Masterbatches	33105P-ABX	Masterbatch for use with WWS Hydropol grades <ul style="list-style-type: none"> - Anti-blocking for bags - High slip (reduced CoF) for lamination 	Same as Hydropol carrier	10%	NA
	43205-Red	Red Masterbatch for use with WWS Hydropol grades	Same as Hydropol carrier	NA	NA
	43205-Blue	Blue Masterbatch for use with WWS and HWS Hydropol grades	Same as Hydropol carrier	NA	NA
	43205-Black	Black Masterbatch for use with WWS and HWS Hydropol grades	Same as Hydropol carrier	NA	NA
	43205-White	White Masterbatch for use with WWS and HWS Hydropol grades	Same as Hydropol carrier	NA	NA

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Commercial in Confidence