



# 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<br>- Garment bags<br>- Soluble Laundry Bags<br>- Anaerobic Digestion<br>- Aprons/Gloves                       | >70°C                                    | 0.3%              | 3 - 4.5<br>(230°C, 10kg)   |
|                    | 30164P               | Mono-blown film<br>- Garment bags<br>- Soluble Laundry Bags<br>- Anaerobic Digestion<br>- Aprons/Gloves<br>Injection Moulding | >70°C                                    | 0.3%              | 5 - 6.5<br>(230°C, 10kg)   |
| Warm Water Soluble | 33103P               | Co.ex. blown film<br>- Paper Lamination<br>- Multi-layer film structures<br>Injection Moulding                                | >30°C                                    | 0.3%              | 12 - 14<br>(230°C, 10kg)   |
|                    | 33104P               | Mono-blown film<br>- Soluble Laundry Bags<br>Co.ex. blown film<br>- Paper Lamination<br>- Multi-layer film structures         | >40°C                                    | 0.5%              | 3.5 – 6.5<br>(230°C, 10kg) |
|                    | 33105P               | Co.ex. blown film<br>- Paper Lamination<br>- Multi-layer film structures<br>Injection Moulding                                | >40°C                                    | none              | 5 - 7<br>(230°C, 10kg)     |
|                    | 33108P               | Mono-blown film<br>- Soluble Laundry Bags<br>Co.ex. blown film<br>- Paper Lamination<br>Multi-layer film structures           | >25°C                                    | 1.0%              | 21-22<br>(230°C, 10kg)     |
|                    | 33205P               | Direct extrusion coating onto paper and board<br>Injection Moulding   | >40°C                                    | none              | 25-37<br>(210°C, 2.16kg)   |