

Product Overview -
BioBlend® XP High Performance Resins for Packaging

Description - BioBlend XP High Performance Resins are thermoplastic resins that offer exceptional functional and environmental benefits. *They are created by blending plant-based NuPlastiQ® BioPolymer with fossil fuel-based thermoplastics such as HDPE, LDPE, LLDPE, PP, or PS.*

Applications - Used for final products that require strength, plasticity, and industrial compostability. These include bags, agricultural films, stretch and shrink films, injection molded foodservice items (containers, trays, cups, lids, straws, plates, utensils) and packaging for fast moving consumer goods (FMCG).

Features & Benefits of XP Resins -

- Using BioBlend XP helps reduce both fossil fuel-based plastic content and greenhouse gas generation - by up to 40%.
- The improved strength of XP can allow for significant downgauging, especially for thin film applications.
- XP can maintain the post-industrial recyclability of its primary resin component, typically LDPE, LLDPE, HDPE, or PP.¹
- A product or package made with XP may be entitled to carry the USDA Certified BioBased Product label.
- XP has a highly amorphous structure with good strength and low plasticity.
- Thin films made with XP have a soft feel.

¹ BioLogiQ can provide test results showing that items produced with BioBlend XD resins can be recycled in post-industrial recycling environments and that key performance characteristics are maintained. Please keep in mind that real world conditions will determine consistent success in this regard. These conditions are a regular part of production activities and include processing temperatures, variations in overall batch composition, and final conversion specifications.



BioBlend XP High Performance Resin



Sacks, Carrier Bags Films



FMCG Containers Flexible Packaging



We start with plant based, renewable materials.

