

Product Overview -

BioBlend® XP High Performance Resins for Can Liners

Description - BioBlend XP High Performance Resins are designed to **enhance sustainability metrics for can liners** where finished products are not generally sent for post-consumer recycling in materials recovery facilities (MRFs).

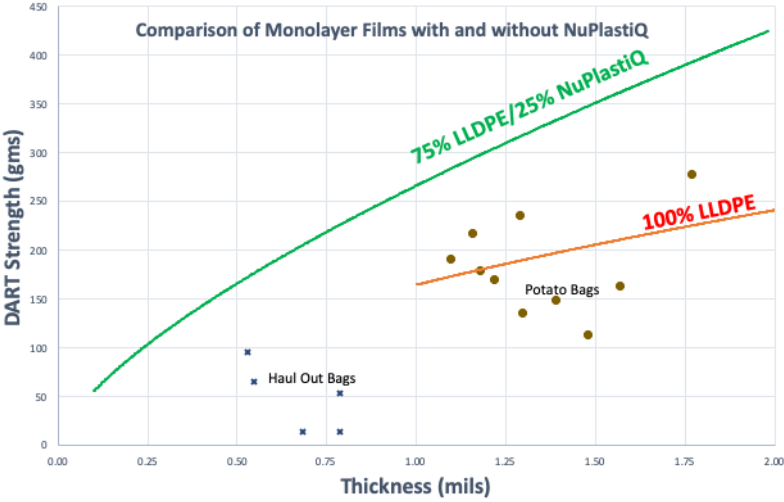
BioBlend resins are produced by compounding plant-based, 100% natural NuPlastiQ® BioPolymer with fossil-fuel based thermoplastics such as LDPE, LLDPE, PP, PS, or HDPE.

Application - Used for can liners requiring strength, durability and enhanced sustainability.

Features & Benefits of XP Resins vs. Pure LDPE or LLDPE -

- XP resins can help reduce fossil fuel-based plastic content per bag by up to 35% and greenhouse gas generation by 15-30%.¹
- BioBlend XP films can be stronger than pure LDPE or LLDPE films. This added strength can lead to downgauging of finished films by 20-30%.¹

NuPlastiQ **ADDS STRENGTH** and allows for down gauging



- XP films can maintain the post-industrial recyclability of their primary resin component, which is typically LDPE or LLDPE.²

¹ Source: Company, independent lab, and customer test results.

² BioLogiQ can provide test results showing that items produced with BioBlend XP 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.





Smart Solutions For A Sustainable World

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Typical BioBlend XP Resins (50% Masterbatch) for Can Liners

Product	Partner Resin	Typical Use	Density (g/cm ³)	MFI (gm/10 min)
BioBlend XP 24150	LDPE	Blown Film	1.16	0.67 190°C @ 5 kg
BioBlend XP 24250	mLLDPE	Blown Film	1.16	0.65 190°C @ 5 kg
BioBlend XP 24550	LLDPE butene	Blown Film	1.16	0.30 190°C @ 5 kg

Please note that BioBlend XP resins are generally made to customers' specific requirements. Those listed above are standard masterbatches consisting of 50% NuPlastiQ and 50% of the specified partner resin. Please contact your BioLogiQ sales representative regarding your specific performance and resin requirements.

Disclaimer/Key Information

BioLogiQ makes no warranty of fitness for a particular purpose or warranty of merchantability with respect to BioBlend resins. BioLogiQ does not warrant, claim, or ensure that finished goods made with its materials will meet generally accepted standards and/or certifications related to biodegradability or composting. Customers should submit their finished goods, and the materials used to produce them, to the proper testing labs, standards authorities, and certification organizations for evaluation and proof of performance.

The information in this brochure was current at the time of release, and may have changed. Please consult your BioLogiQ representative for the most current data.