



BioLogiQ creates plastics from polysaccharides found in plants. These plastics are designed to enhance both the functional and environmental performance of the packages and products produced with them.

All BioLogiQ compounded plastics start with **NuPlastiQ BioPolymer**, a 100% natural, renewably sourced, plant-based biopolymer.

Description

- A member of the BioBlend® XD family of high durability BioPolymers for injection molding.
- Made from 50% annually renewable agricultural resources, including **NuPlastiQ® CG BioPolymer** (also known as the GP 1000 series), which is certified by TUV to be industrial compostable.
- **BioBlend® XD 25250** is supplied in pellet form, fully compounded.

Applications

- **BioBlend® XD 25250** is intended for injection molding applications such as packaging and containers.
- Used for products that require high impact strength.

Properties

PHYSICAL	TEST METHOD	NOMINAL VALUE	UNITS
Density:	ASTM D792	1.2	g/cm ³
THERMAL			
Melt Flow Index	ASTM D1238	~3.0	g/10 min (190 °C/2.16 kg)
Melting Temperature Range:	ASTM D3418	160 -- 180	° C
ADDITIONAL INFORMATION			
Water Content:	ASTM D6980	≤ 0.5	%

Note: These values are typical properties only and should not be used for specification purposes. End users should confirm results with their own tests.

Processing Considerations

- XD 25250 is intended to be down blended with addition polypropylene. Typical blending ratios would be 30%-60% XD25250 + 70%-40% PP
- XP 25250 can be processed on existing equipment.
- Under normal conditions, processing BioBlends may cause a slight odor and/or smoke. Always use proper ventilation. See the **BioBlend® XD 25250** SDS for details.

Storage and Drying

- Pellets are shipped in sealed moisture-proof bags and are ready to be used as supplied. Until used, they should be stored in a sealed container away from heat.
- If pellets are exposed to a humid environment, they will absorb moisture. If needed, dry pellets by introducing warm, dry air at 60°C for 1-4 hours. Pellets should be <0.5% moisture content prior to processing.