



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 GP, a 100% natural, renewably sourced, plant-based biopolymer.

Description

- A member of the BioBlend® XD family of high durability BioPolymers for extrusion.
- This TDS covers the following BioBlend® XP BioPolymers: XD 26150 and XD 26151.
- BioBlend® XD 26150 is a masterbatch that contains 50% NuPlastiQ® GP BioPolymer compounded with PS.
- Made from 50% annually renewable agricultural resources.
- Supplied in pellet form.

Applications

- BioBlend® XD 26150 is intended for injection molding.

Properties

PHYSICAL	TEST METHOD	NOMINAL VALUE	UNITS
Density	ASTM D792	1.23	g/cm ³
THERMAL			
Melt Flow Index	ASTM D1238	~1.9	g/10 min (190 °C/5 kg)
Melting Temperature Range	ASTM D3418	160 – 180	° C
ADDITIONAL INFORMATION			
Water Content	ASTM D6980	≤ 0.5	%

Notes:

- 1) 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 26150 is intended to be diluted with polystyrene to achieve a final NuPlastiQ GP BioPolymer content between 10% and 40%.
- XP 26150 can be processed on existing equipment. Products made with NuPlastiQ are slightly more sensitive to processing conditions and temperature profile. Consult with BioLogiQ for recommendations.
- Under normal conditions processing NuPlastiQ may cause a slight odor and/or smoke. Always use proper ventilation. See the BioBlend® XP 26150 SDS for details.

Storage and Drying

- Pellets are shipped in sealed moisture-proof bags and are ready to use as supplied. They should be stored in the sealed container away from heat until used.
- If pellets are exposed to a humid environment, they will absorb moisture from the air. 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.