



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 NuPlastiQ® XD family of high durability BioPolymers for extrusion.
- This TDS covers the following NuPlastiQ® XP BioPolymers: XD 25250 and XD 25251.
- NuPlastiQ® XD 25250 is a Masterbatch that contains 50% NuPlastiQ® GP BioPolymer compounded with a random polypropylene.
- Made from 50% annually renewable agricultural resources.
- Supplied in pellet form.

### Applications

- NuPlastiQ® XD 25250 is intended for injection molding applications.

### Properties

PHYSICAL	TEST METHOD	NOMINAL VALUE	UNITS
Density	ASTM D792	1.2	g/cm <sup>3</sup>
<b>THERMAL</b>			
Melt Flow Index	ASTM D1238	~3.0	g/10 min (190 °C/2.16 kg)
Melting Temperature Range	ASTM D3418	160 – 180	° C
<b>ADDITIONAL INFORMATION</b>			
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 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 NuPlastiQ may cause a slight odor and/or smoke. Always use proper ventilation. See the NuPlastiQ® XP 25250 SDS for details.

### Storage and Drying

- Pellets are shipped in moisture-proof metallic bags and are ready to use as supplied. They should be stored in a sealed container in a dry location away from heat until ready for use.
- 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.